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MISSION® Non-Target shRNA Control Vector

Clone Name	RefSeq	Gene Symbol	Gene Description
NM_003579.x-1274s1c1	NM_003579	RAD54L	RAD54-like (S. cerevisiae)
NM_003579.x-2027s1c1	NM_003579	RAD54L	RAD54-like (S. cerevisiae)
NM_003579.x-2161s1c1	NM_003579	RAD54L	RAD54-like (S. cerevisiae)
NM_003579.x-1877s1c1	NM_003579	RAD54L	RAD54-like (S. cerevisiae)
NM_003579.x-2302s1c1	NM_003579	RAD54L	RAD54-like (S. cerevisiae)
NM_000075.x-1320s1c1	NM_000075	CDK4	cyclin-dependent kinase 4
NM_000075.x-608s1c1	NM_000075	CDK4	cyclin-dependent kinase 4
NM_000075.x-258s1c1	NM_000075	CDK4	cyclin-dependent kinase 4
NM_000075.x-528s1c1	NM_000075	CDK4	cyclin-dependent kinase 4
NM_004327.x-3011s1c1	NM_004327	BCR	breakpoint cluster region
NM_004327.x-3132s1c1	NM_004327	BCR	breakpoint cluster region
NM_004327.x-3365s1c1	NM_004327	BCR	breakpoint cluster region
NM_004327.x-2355s1c1	NM_004327	BCR	breakpoint cluster region
NM_014572.x-3750s1c1	NM_014572	LATS2	LATS, large tumor suppressor, hom
NM_014572.x-2457s1c1	NM_014572	LATS2	LATS, large tumor suppressor, hom
NM_014572.x-2894s1c1	NM_014572	LATS2	LATS, large tumor suppressor, hom
NM_014572.x-490s1c1	NM_014572	LATS2	LATS, large tumor suppressor, hom
NM_014572.x-2162s1c1	NM_014572	LATS2	LATS, large tumor suppressor, hom
NM_024424.x-2140s1c1	NM_024424	WT1	Wilms tumor 1
NM_024424.x-904s1c1	NM_024424	WT1	Wilms tumor 1
NM_024424.x-588s1c1	NM_024424	WT1	Wilms tumor 1
NM_024424.x-1440s1c1	NM_024424	WT1	Wilms tumor 1
NM_004690.x-2666s1c1	NM_004690	LATS1	LATS, large tumor suppressor, hom
NM_004690.x-3151s1c1	NM_004690	LATS1	LATS, large tumor suppressor, hom
NM_004690.x-3614s1c1	NM_004690	LATS1	LATS, large tumor suppressor, hom
NM_004690.x-738s1c1	NM_004690	LATS1	LATS, large tumor suppressor, hom
NM_004690.x-4412s1c1	NM_004690	LATS1	LATS, large tumor suppressor, hom
NM_005246.x-1193s1c1	NM_005246	FER	fer (fps/fes related) tyrosine kinase
NM_005246.x-883s1c1	NM_005246	FER	fer (fps/fes related) tyrosine kinase
NM_005246.x-1570s1c1	NM_005246	FER	fer (fps/fes related) tyrosine kinase
NM_005246.x-2693s1c1	NM_005246	FER	fer (fps/fes related) tyrosine kinase
NM_005246.x-934s1c1	NM_005246	FER	fer (fps/fes related) tyrosine kinase
NM_000314.x-1548s1c1	NM_000314	PTEN	phosphatase and tensin homolog
NM_000314.x-1320s1c1	NM_000314	PTEN	phosphatase and tensin homolog
NM_000314.x-1326s1c1	NM_000314	PTEN	phosphatase and tensin homolog
NM_000314.x-1956s1c1	NM_000314	PTEN	phosphatase and tensin homolog
NM_000314.x-3001s1c1	NM_000314	PTEN	phosphatase and tensin homolog
NM_000546.x-1095s1c1	NM_000546	TP53	tumor protein p53 (Li-Fraumeni sy
NM_000546.x-309s1c1	NM_000546	TP53	tumor protein p53 (Li-Fraumeni sy
NM_000546.x-427s1c1	NM_000546	TP53	tumor protein p53 (Li-Fraumeni sy
NM_000546.x-941s1c1	NM_000546	TP53	tumor protein p53 (Li-Fraumeni sy
NM_002017.2-1917s1c1	NM_002017	FLI1	Friend leukemia virus integration 1
NM_002017.2-467s1c1	NM_002017	FLI1	Friend leukemia virus integration 1
NM_002017.2-911s1c1	NM_002017	FLI1	Friend leukemia virus integration 1
NM_002017.2-1315s1c1	NM_002017	FLI1	Friend leukemia virus integration 1
NM_002017.2-730s1c1	NM_002017	FLI1	Friend leukemia virus integration 1
NM_003722.3-2716s1c1	NM_003722	TP73L	tumor protein p73-like
NM_003722.3-870s1c1	NM_003722	TP73L	tumor protein p73-like
NM_003722.3-2058s1c1	NM_003722	TP73L	tumor protein p73-like
NM_003722.3-1218s1c1	NM_003722	TP73L	tumor protein p73-like
NM_005427.1-2076s1c1	NM_005427	TP73	tumor protein p73
NM_005427.1-545s1c1	NM_005427	TP73	tumor protein p73

NM_005427.1-1613s1c1	NM_005427	TP73	tumor protein p73
NM_005427.1-1643s1c1	NM_005427	TP73	tumor protein p73
NM_001447.1-13824s1c1	NM_001447	FAT2	FAT tumor suppressor homolog 2
NM_001447.1-7008s1c1	NM_001447	FAT2	FAT tumor suppressor homolog 2
NM_001447.1-11209s1c1	NM_001447	FAT2	FAT tumor suppressor homolog 2
NM_001447.1-4842s1c1	NM_001447	FAT2	FAT tumor suppressor homolog 2
NM_001447.1-2782s1c1	NM_001447	FAT2	FAT tumor suppressor homolog 2
NM_024529.3-2409s1c1	NM_024529	CDC73	cell division cycle 73, Paf1/RNA pc
NM_024529.3-1276s1c1	NM_024529	CDC73	cell division cycle 73, Paf1/RNA pc
NM_024529.3-504s1c1	NM_024529	CDC73	cell division cycle 73, Paf1/RNA pc
NM_024529.3-1032s1c1	NM_024529	CDC73	cell division cycle 73, Paf1/RNA pc
NM_014682.1-4498s1c1	NM_014682	ST18	suppression of tumorigenicity 18 (t
NM_014682.1-2494s1c1	NM_014682	ST18	suppression of tumorigenicity 18 (t
NM_014682.1-2644s1c1	NM_014682	ST18	suppression of tumorigenicity 18 (t
NM_014682.1-1327s1c1	NM_014682	ST18	suppression of tumorigenicity 18 (t
NM_014682.1-3746s1c1	NM_014682	ST18	suppression of tumorigenicity 18 (t
NM_006497.1-392s1c1	NM_006497	HIC1	hypermethylated in cancer 1
NM_006497.1-941s1c1	NM_006497	HIC1	hypermethylated in cancer 1
NM_006497.1-1763s1c1	NM_006497	HIC1	hypermethylated in cancer 1
NM_006497.1-1982s1c1	NM_006497	HIC1	hypermethylated in cancer 1
NM_006497.1-116s1c1	NM_006497	HIC1	hypermethylated in cancer 1
NM_003189.1-3799s1c1	NM_003189	TAL1	T-cell acute lymphocytic leukemia
NM_003189.1-1051s1c1	NM_003189	TAL1	T-cell acute lymphocytic leukemia
NM_003189.1-1243s1c1	NM_003189	TAL1	T-cell acute lymphocytic leukemia
NM_003189.1-1060s1c1	NM_003189	TAL1	T-cell acute lymphocytic leukemia
NM_003189.1-673s1c1	NM_003189	TAL1	T-cell acute lymphocytic leukemia
NM_002229.2-1541s1c1	NM_002229	JUNB	jun B proto-oncogene
NM_002229.2-1054s1c1	NM_002229	JUNB	jun B proto-oncogene
NM_002229.2-364s1c1	NM_002229	JUNB	jun B proto-oncogene
NM_002229.2-1066s1c1	NM_002229	JUNB	jun B proto-oncogene
NM_002229.2-355s1c1	NM_002229	JUNB	jun B proto-oncogene
NM_005354.2-1056s1c1	NM_005354	JUND	jun D proto-oncogene
NM_005354.2-605s1c1	NM_005354	JUND	jun D proto-oncogene
NM_005354.2-321s1c1	NM_005354	JUND	jun D proto-oncogene
NM_021020.1-2175s1c1	NM_021020	LZTS1	leucine zipper, putative tumor sup
NM_021020.1-434s1c1	NM_021020	LZTS1	leucine zipper, putative tumor sup
NM_021020.1-774s1c1	NM_021020	LZTS1	leucine zipper, putative tumor sup
NM_021020.1-309s1c1	NM_021020	LZTS1	leucine zipper, putative tumor sup
NM_005252.2-1551s1c1	NM_005252	FOS	v-fos FBJ murine osteosarcoma vir
NM_005252.2-654s1c1	NM_005252	FOS	v-fos FBJ murine osteosarcoma vir
NM_005252.2-1157s1c1	NM_005252	FOS	v-fos FBJ murine osteosarcoma vir
NM_005252.2-540s1c1	NM_005252	FOS	v-fos FBJ murine osteosarcoma vir
NM_005252.2-684s1c1	NM_005252	FOS	v-fos FBJ murine osteosarcoma vir
NM_005253.3-1943s1c1	NM_005253	FOSL2	FOS-like antigen 2
NM_005253.3-906s1c1	NM_005253	FOSL2	FOS-like antigen 2
NM_005253.3-1535s1c1	NM_005253	FOSL2	FOS-like antigen 2
NM_005253.3-1016s1c1	NM_005253	FOSL2	FOS-like antigen 2
NM_005253.3-1368s1c1	NM_005253	FOSL2	FOS-like antigen 2
NM_002875.2-1853s1c1	NM_002875	RAD51	RAD51 homolog (RecA homolog, l
NM_002875.2-932s1c1	NM_002875	RAD51	RAD51 homolog (RecA homolog, l
NM_002875.2-1224s1c1	NM_002875	RAD51	RAD51 homolog (RecA homolog, l
NM_002875.2-543s1c1	NM_002875	RAD51	RAD51 homolog (RecA homolog, l

NM_005438.2-780s1c1	NM_005438	FOSL1	FOS-like antigen 1
NM_005438.2-921s1c1	NM_005438	FOSL1	FOS-like antigen 1
NM_005438.2-339s1c1	NM_005438	FOSL1	FOS-like antigen 1
NM_005438.2-385s1c1	NM_005438	FOSL1	FOS-like antigen 1
NM_005178.2-510s1c1	NM_005178	BCL3	B-cell CLL/lymphoma 3
NM_005178.2-1269s1c1	NM_005178	BCL3	B-cell CLL/lymphoma 3
NM_005178.2-914s1c1	NM_005178	BCL3	B-cell CLL/lymphoma 3
NM_005178.2-272s1c1	NM_005178	BCL3	B-cell CLL/lymphoma 3
NM_005178.2-1013s1c1	NM_005178	BCL3	B-cell CLL/lymphoma 3
NM_032429.1-1726s1c1	NM_032429	LZTS2	leucine zipper, putative tumor suppressor
NM_032429.1-459s1c1	NM_032429	LZTS2	leucine zipper, putative tumor suppressor
NM_032429.1-2058s1c1	NM_032429	LZTS2	leucine zipper, putative tumor suppressor
NM_032429.1-717s1c1	NM_032429	LZTS2	leucine zipper, putative tumor suppressor
NM_002634.2-975s1c1	NM_002634	PHB	prohibitin
NM_002634.2-248s1c1	NM_002634	PHB	prohibitin
NM_002634.2-136s1c1	NM_002634	PHB	prohibitin
NM_002634.2-427s1c1	NM_002634	PHB	prohibitin
NM_002634.2-605s1c1	NM_002634	PHB	prohibitin
NM_004324.3-691s1c1	NM_004324	BAX	BCL2-associated X protein
NM_004324.3-105s1c1	NM_004324	BAX	BCL2-associated X protein
NM_004324.3-456s1c1	NM_004324	BAX	BCL2-associated X protein
NM_004324.3-219s1c1	NM_004324	BAX	BCL2-associated X protein
NM_005245.1-14429s1c1	NM_005245	FAT	FAT tumor suppressor homolog 1
NM_005245.1-6937s1c1	NM_005245	FAT	FAT tumor suppressor homolog 1
NM_005245.1-10048s1c1	NM_005245	FAT	FAT tumor suppressor homolog 1
NM_005245.1-3609s1c1	NM_005245	FAT	FAT tumor suppressor homolog 1
NM_005245.1-5385s1c1	NM_005245	FAT	FAT tumor suppressor homolog 1
NM_002231.2-949s1c1	NM_002231	CD82	CD82 antigen
NM_002231.2-283s1c1	NM_002231	CD82	CD82 antigen
NM_002231.2-643s1c1	NM_002231	CD82	CD82 antigen
NM_002231.2-300s1c1	NM_002231	CD82	CD82 antigen
NM_005380.3-217s1c1	NM_005380	NBL1	neuroblastoma, suppression of tumorigenicity 5
NM_005380.3-365s1c1	NM_005380	NBL1	neuroblastoma, suppression of tumorigenicity 5
NM_005380.3-256s1c1	NM_005380	NBL1	neuroblastoma, suppression of tumorigenicity 5
NM_005380.3-479s1c1	NM_005380	NBL1	neuroblastoma, suppression of tumorigenicity 5
NM_005380.3-292s1c1	NM_005380	NBL1	neuroblastoma, suppression of tumorigenicity 5
NM_005418.2-3384s1c1	NM_005418	ST5	suppression of tumorigenicity 5
NM_005418.2-2580s1c1	NM_005418	ST5	suppression of tumorigenicity 5
NM_005418.2-1965s1c1	NM_005418	ST5	suppression of tumorigenicity 5
NM_003932.3-765s1c1	NM_003932	ST13	suppression of tumorigenicity 13 (chromosome 13)
NM_003932.3-501s1c1	NM_003932	ST13	suppression of tumorigenicity 13 (chromosome 13)
NM_003932.3-876s1c1	NM_003932	ST13	suppression of tumorigenicity 13 (chromosome 13)
NM_003932.3-1196s1c1	NM_003932	ST13	suppression of tumorigenicity 13 (chromosome 13)
NM_003932.3-606s1c1	NM_003932	ST13	suppression of tumorigenicity 13 (chromosome 13)
NM_021978.2-405s1c1	NM_021978	ST14	suppression of tumorigenicity 14 (chromosome 14)
NM_021978.2-227s1c1	NM_021978	ST14	suppression of tumorigenicity 14 (chromosome 14)
NM_021978.2-1234s1c1	NM_021978	ST14	suppression of tumorigenicity 14 (chromosome 14)
NM_021978.2-2261s1c1	NM_021978	ST14	suppression of tumorigenicity 14 (chromosome 14)
NM_021978.2-1463s1c1	NM_021978	ST14	suppression of tumorigenicity 14 (chromosome 14)
NM_003310.1-341s1c1	NM_003310	TSSC1	tumor suppressing subtransferable
NM_003310.1-252s1c1	NM_003310	TSSC1	tumor suppressing subtransferable
NM_003310.1-1045s1c1	NM_003310	TSSC1	tumor suppressing subtransferable
NM_003310.1-850s1c1	NM_003310	TSSC1	tumor suppressing subtransferable

NM_003310.1-805s1c1	NM_003310	TSSC1	tumor suppressing subtransferable
NM_018412.2-407s1c1	NM_018412	ST7	suppression of tumorigenicity 7
NM_018412.2-974s1c1	NM_018412	ST7	suppression of tumorigenicity 7
NM_018412.2-1174s1c1	NM_018412	ST7	suppression of tumorigenicity 7
NM_018412.2-1662s1c1	NM_018412	ST7	suppression of tumorigenicity 7
NM_018412.2-754s1c1	NM_018412	ST7	suppression of tumorigenicity 7
NM_006765.2-767s1c1	NM_006765	TUSC3	tumor suppressor candidate 3
NM_006765.2-451s1c1	NM_006765	TUSC3	tumor suppressor candidate 3
NM_006765.2-979s1c1	NM_006765	TUSC3	tumor suppressor candidate 3
NM_006765.2-1054s1c1	NM_006765	TUSC3	tumor suppressor candidate 3
NM_006765.2-555s1c1	NM_006765	TUSC3	tumor suppressor candidate 3
NM_005706.2-460s1c1	NM_005706	TSSC4	tumor suppressing subtransferable
NM_005706.2-350s1c1	NM_005706	TSSC4	tumor suppressing subtransferable
NM_005706.2-815s1c1	NM_005706	TSSC4	tumor suppressing subtransferable
NM_005706.2-526s1c1	NM_005706	TSSC4	tumor suppressing subtransferable
NM_005851.3-780s1c1	NM_005851	CDK2AP2	CDK2-associated protein 2
NM_005851.3-672s1c1	NM_005851	CDK2AP2	CDK2-associated protein 2
NM_005851.3-883s1c1	NM_005851	CDK2AP2	CDK2-associated protein 2
NM_005851.3-849s1c1	NM_005851	CDK2AP2	CDK2-associated protein 2
NM_006545.3-1064s1c1	NM_006545	TUSC4	tumor suppressor candidate 4
NM_006545.3-308s1c1	NM_006545	TUSC4	tumor suppressor candidate 4
NM_006545.3-660s1c1	NM_006545	TUSC4	tumor suppressor candidate 4
NM_006545.3-929s1c1	NM_006545	TUSC4	tumor suppressor candidate 4
NM_006545.3-593s1c1	NM_006545	TUSC4	tumor suppressor candidate 4
NM_007275.1-633s1c1	NM_007275	TUSC2	tumor suppressor candidate 2
NM_007275.1-289s1c1	NM_007275	TUSC2	tumor suppressor candidate 2
NM_007275.1-388s1c1	NM_007275	TUSC2	tumor suppressor candidate 2
NM_007275.1-451s1c1	NM_007275	TUSC2	tumor suppressor candidate 2
NM_007275.1-319s1c1	NM_007275	TUSC2	tumor suppressor candidate 2
NM_015710.2-343s1c1	NM_015710	GLTSCR2	glioma tumor suppressor candidate
NM_015710.2-166s1c1	NM_015710	GLTSCR2	glioma tumor suppressor candidate
NM_015710.2-1429s1c1	NM_015710	GLTSCR2	glioma tumor suppressor candidate
NM_015710.2-784s1c1	NM_015710	GLTSCR2	glioma tumor suppressor candidate
NM_015710.2-700s1c1	NM_015710	GLTSCR2	glioma tumor suppressor candidate
NM_015711.1-3653s1c1	NM_015711	GLTSCR1	glioma tumor suppressor candidate
NM_015711.1-3723s1c1	NM_015711	GLTSCR1	glioma tumor suppressor candidate
NM_015711.1-3114s1c1	NM_015711	GLTSCR1	glioma tumor suppressor candidate
NM_015711.1-427s1c1	NM_015711	GLTSCR1	glioma tumor suppressor candidate
NM_015711.1-2217s1c1	NM_015711	GLTSCR1	glioma tumor suppressor candidate
NM_017744.4-739s1c1	NM_017744	ST7L	suppression of tumorigenicity 7 like
NM_017744.4-1795s1c1	NM_017744	ST7L	suppression of tumorigenicity 7 like
NM_017744.4-537s1c1	NM_017744	ST7L	suppression of tumorigenicity 7 like
NM_017744.4-963s1c1	NM_017744	ST7L	suppression of tumorigenicity 7 like
NM_017744.4-1969s1c1	NM_017744	ST7L	suppression of tumorigenicity 7 like
XM_061871.7-9379s1c1	XM_061871	FAT3	FAT tumor suppressor homolog 3
XM_061871.7-3334s1c1	XM_061871	FAT3	FAT tumor suppressor homolog 3
XM_061871.7-7371s1c1	XM_061871	FAT3	FAT tumor suppressor homolog 3
XM_061871.7-745s1c1	XM_061871	FAT3	FAT tumor suppressor homolog 3
XM_061871.7-2440s1c1	XM_061871	FAT3	FAT tumor suppressor homolog 3
NM_080822.1-654s1c1	NM_080822	OVCA2	candidate tumor suppressor in ova
NM_080822.1-170s1c1	NM_080822	OVCA2	candidate tumor suppressor in ova
NM_080822.1-427s1c1	NM_080822	OVCA2	candidate tumor suppressor in ova

NM_080822.1-547s1c1	NM_080822	OVCA2	candidate tumor suppressor in ova
NM_172367.1-792s1c1	NM_172367	TUSC5	tumor suppressor candidate 5
NM_172367.1-846s1c1	NM_172367	TUSC5	tumor suppressor candidate 5
NM_172367.1-720s1c1	NM_172367	TUSC5	tumor suppressor candidate 5
NM_172367.1-459s1c1	NM_172367	TUSC5	tumor suppressor candidate 5
NM_172367.1-822s1c1	NM_172367	TUSC5	tumor suppressor candidate 5
NM_002387.1-1332s1c1	NM_002387	MCC	mutated in colorectal cancers
NM_002387.1-2689s1c1	NM_002387	MCC	mutated in colorectal cancers
NM_002387.1-1388s1c1	NM_002387	MCC	mutated in colorectal cancers
NM_002387.1-2284s1c1	NM_002387	MCC	mutated in colorectal cancers
NM_006010.1-693s1c1	NM_006010	ARMET	arginine-rich, mutated in early stag
NM_006010.1-501s1c1	NM_006010	ARMET	arginine-rich, mutated in early stag
NM_006010.1-386s1c1	NM_006010	ARMET	arginine-rich, mutated in early stag
NM_006010.1-642s1c1	NM_006010	ARMET	arginine-rich, mutated in early stag
NM_006010.1-776s1c1	NM_006010	ARMET	arginine-rich, mutated in early stag
NM_005106.2-1183s1c1	NM_005106	DLEC1	deleted in lung and esophageal c
NM_005106.2-646s1c1	NM_005106	DLEC1	deleted in lung and esophageal c
NM_005106.2-3571s1c1	NM_005106	DLEC1	deleted in lung and esophageal c
NM_005106.2-1610s1c1	NM_005106	DLEC1	deleted in lung and esophageal c
NM_004406.1-3444s1c1	NM_004406	DMBT1	deleted in malignant brain tumors
NM_004406.1-4221s1c1	NM_004406	DMBT1	deleted in malignant brain tumors
NM_004406.1-5157s1c1	NM_004406	DMBT1	deleted in malignant brain tumors
NM_004406.1-1553s1c1	NM_004406	DMBT1	deleted in malignant brain tumors
NM_004406.1-3753s1c1	NM_004406	DMBT1	deleted in malignant brain tumors
NM_000551.2-2372s1c1	NM_000551	VHL	von Hippel-Lindau tumor suppress
NM_000551.2-716s1c1	NM_000551	VHL	von Hippel-Lindau tumor suppress
NM_000551.2-772s1c1	NM_000551	VHL	von Hippel-Lindau tumor suppress
NM_000551.2-625s1c1	NM_000551	VHL	von Hippel-Lindau tumor suppress
NM_015247.1-4219s1c1	NM_015247	CYLD	cylindromatosis (turban tumor sync
NM_015247.1-474s1c1	NM_015247	CYLD	cylindromatosis (turban tumor sync
NM_015247.1-1669s1c1	NM_015247	CYLD	cylindromatosis (turban tumor sync
NM_015247.1-2573s1c1	NM_015247	CYLD	cylindromatosis (turban tumor sync
NM_015247.1-2059s1c1	NM_015247	CYLD	cylindromatosis (turban tumor sync
NM_004360.2-3859s1c1	NM_004360	CDH1	cadherin 1, type 1, E-cadherin (ep
NM_004360.2-1409s1c1	NM_004360	CDH1	cadherin 1, type 1, E-cadherin (ep
NM_004360.2-529s1c1	NM_004360	CDH1	cadherin 1, type 1, E-cadherin (ep
NM_004360.2-344s1c1	NM_004360	CDH1	cadherin 1, type 1, E-cadherin (ep
NM_004360.2-2057s1c1	NM_004360	CDH1	cadherin 1, type 1, E-cadherin (ep
NM_000251.1-2880s1c1	NM_000251	MSH2	mutS homolog 2, colon cancer, nc
NM_000251.1-441s1c1	NM_000251	MSH2	mutS homolog 2, colon cancer, nc
NM_000251.1-1050s1c1	NM_000251	MSH2	mutS homolog 2, colon cancer, nc
NM_000251.1-2582s1c1	NM_000251	MSH2	mutS homolog 2, colon cancer, nc
NM_000251.1-958s1c1	NM_000251	MSH2	mutS homolog 2, colon cancer, nc
NM_000076.1-1399s1c1	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1
NM_000076.1-1067s1c1	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1
NM_000076.1-312s1c1	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1
NM_000076.1-1073s1c1	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1
NM_000076.1-437s1c1	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1
NM_000267.1-8750s1c1	NM_000267	NF1	neurofibromin 1 (neurofibromatosis
NM_000267.1-8468s1c1	NM_000267	NF1	neurofibromin 1 (neurofibromatosis
NM_000267.1-1373s1c1	NM_000267	NF1	neurofibromin 1 (neurofibromatosis
NM_000267.1-6992s1c1	NM_000267	NF1	neurofibromin 1 (neurofibromatosis

NM_000267.1-8627s1c1	NM_000267	NF1	neurofibromin 1 (neurofibromatosis)
NM_058197.1-1335s1c1	NM_058197	CDKN2A	cyclin-dependent kinase inhibitor 2A
NM_058197.1-484s1c1	NM_058197	CDKN2A	cyclin-dependent kinase inhibitor 2A
NM_058197.1-623s1c1	NM_058197	CDKN2A	cyclin-dependent kinase inhibitor 2A
NM_058197.1-518s1c1	NM_058197	CDKN2A	cyclin-dependent kinase inhibitor 2A
NM_005215.1-4387s1c1	NM_005215	DCC	deleted in colorectal carcinoma
NM_005215.1-2265s1c1	NM_005215	DCC	deleted in colorectal carcinoma
NM_005215.1-2466s1c1	NM_005215	DCC	deleted in colorectal carcinoma
NM_005215.1-736s1c1	NM_005215	DCC	deleted in colorectal carcinoma
NM_005215.1-1820s1c1	NM_005215	DCC	deleted in colorectal carcinoma
NM_007294.1-6116s1c1	NM_007294	BRCA1	breast cancer 1, early onset
NM_007294.1-2036s1c1	NM_007294	BRCA1	breast cancer 1, early onset
NM_007294.1-2037s1c1	NM_007294	BRCA1	breast cancer 1, early onset
NM_007294.1-4632s1c1	NM_007294	BRCA1	breast cancer 1, early onset
NM_007294.1-356s1c1	NM_007294	BRCA1	breast cancer 1, early onset
NM_000268.2-4648s1c1	NM_000268	NF2	neurofibromin 2 (bilateral acoustic neuroma)
NM_000268.2-2092s1c1	NM_000268	NF2	neurofibromin 2 (bilateral acoustic neuroma)
NM_000268.2-1290s1c1	NM_000268	NF2	neurofibromin 2 (bilateral acoustic neuroma)
NM_000268.2-1191s1c1	NM_000268	NF2	neurofibromin 2 (bilateral acoustic neuroma)
NM_000268.2-1944s1c1	NM_000268	NF2	neurofibromin 2 (bilateral acoustic neuroma)
NM_003242.3-807s1c1	NM_003242	TGFBR2	transforming growth factor, beta receptor type II
NM_003242.3-1599s1c1	NM_003242	TGFBR2	transforming growth factor, beta receptor type II
NM_003242.3-416s1c1	NM_003242	TGFBR2	transforming growth factor, beta receptor type II
NM_003242.3-1127s1c1	NM_003242	TGFBR2	transforming growth factor, beta receptor type II
NM_003242.3-719s1c1	NM_003242	TGFBR2	transforming growth factor, beta receptor type II
NM_005359.3-2038s1c1	NM_005359	SMAD4	SMAD, mothers against DPP homologue 4
NM_005359.3-1191s1c1	NM_005359	SMAD4	SMAD, mothers against DPP homologue 4
NM_005359.3-1692s1c1	NM_005359	SMAD4	SMAD, mothers against DPP homologue 4
NM_005359.3-636s1c1	NM_005359	SMAD4	SMAD, mothers against DPP homologue 4
NM_005359.3-1848s1c1	NM_005359	SMAD4	SMAD, mothers against DPP homologue 4
NM_053056.1-2322s1c1	NM_053056	CCND1	cyclin D1 (PRAD1: parathyroid adenoma)
NM_053056.1-680s1c1	NM_053056	CCND1	cyclin D1 (PRAD1: parathyroid adenoma)
NM_053056.1-539s1c1	NM_053056	CCND1	cyclin D1 (PRAD1: parathyroid adenoma)
NM_053056.1-326s1c1	NM_053056	CCND1	cyclin D1 (PRAD1: parathyroid adenoma)
NM_053056.1-728s1c1	NM_053056	CCND1	cyclin D1 (PRAD1: parathyroid adenoma)
NM_000264.2-6645s1c1	NM_000264	PTCH	patched homolog (Drosophila)
NM_000264.2-1646s1c1	NM_000264	PTCH	patched homolog (Drosophila)
NM_000264.2-1134s1c1	NM_000264	PTCH	patched homolog (Drosophila)
NM_000264.2-3056s1c1	NM_000264	PTCH	patched homolog (Drosophila)
NM_000264.2-429s1c1	NM_000264	PTCH	patched homolog (Drosophila)
NM_000249.2-2358s1c1	NM_000249	MLH1	mutL homolog 1, colon cancer, no mismatch repair
NM_000249.2-2298s1c1	NM_000249	MLH1	mutL homolog 1, colon cancer, no mismatch repair
NM_000249.2-1927s1c1	NM_000249	MLH1	mutL homolog 1, colon cancer, no mismatch repair
NM_000249.2-565s1c1	NM_000249	MLH1	mutL homolog 1, colon cancer, no mismatch repair
NM_000249.2-2085s1c1	NM_000249	MLH1	mutL homolog 1, colon cancer, no mismatch repair
NM_024426.2-1962s1c1	NM_024426	WT1	Wilms tumor 1
NM_024426.2-1055s1c1	NM_024426	WT1	Wilms tumor 1
NM_024426.2-1372s1c1	NM_024426	WT1	Wilms tumor 1
NM_024426.2-1701s1c1	NM_024426	WT1	Wilms tumor 1
NM_024426.2-1330s1c1	NM_024426	WT1	Wilms tumor 1
NM_000633.1-2872s1c1	NM_000633	BCL2	B-cell CLL/lymphoma 2
NM_000633.1-64s1c1	NM_000633	BCL2	B-cell CLL/lymphoma 2
NM_000633.1-678s1c1	NM_000633	BCL2	B-cell CLL/lymphoma 2

NM_000633.1-74s1c1	NM_000633	BCL2	B-cell CLL/lymphoma 2
NM_000633.1-550s1c1	NM_000633	BCL2	B-cell CLL/lymphoma 2
NM_000038.2-9031s1c1	NM_000038	APC	adenomatosis polyposis coli
NM_000038.2-6231s1c1	NM_000038	APC	adenomatosis polyposis coli
NM_000038.2-3940s1c1	NM_000038	APC	adenomatosis polyposis coli
NM_000038.2-4787s1c1	NM_000038	APC	adenomatosis polyposis coli
NM_000038.2-6089s1c1	NM_000038	APC	adenomatosis polyposis coli
NM_000244.2-2088s1c1	NM_000244	MEN1	multiple endocrine neoplasia I
NM_000244.2-785s1c1	NM_000244	MEN1	multiple endocrine neoplasia I
NM_000244.2-1878s1c1	NM_000244	MEN1	multiple endocrine neoplasia I
NM_000244.2-1364s1c1	NM_000244	MEN1	multiple endocrine neoplasia I
NM_000244.2-1212s1c1	NM_000244	MEN1	multiple endocrine neoplasia I
NM_000059.x-665s1c1	NM_000059	BRCA2	breast cancer 2, early onset
NM_000059.x-10567s1c1	NM_000059	BRCA2	breast cancer 2, early onset
NM_000389.x-526s1c1	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1
NM_000389.x-934s1c1	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1
NM_000321.x-450s1c1	NM_000321	RB1	retinoblastoma 1 (including osteos
NM_000321.x-4584s1c1	NM_000321	RB1	retinoblastoma 1 (including osteos
NM_002110.x-1122s1c1	NM_002110	HCK	hemopoietic cell kinase
NM_002110.x-261s1c1	NM_002110	HCK	hemopoietic cell kinase
NM_002110.x-369s1c1	NM_002110	HCK	hemopoietic cell kinase
NM_002110.x-412s1c1	NM_002110	HCK	hemopoietic cell kinase
NM_002110.x-742s1c1	NM_002110	HCK	hemopoietic cell kinase
	NM_001455	FoxO3A	
	NM_001455	FoxO3A	
	NM_001455	FoxO3A	
	NM_001455	FoxO3A	
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	NM_014009	FoxP3	
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mpolyposis type 2 (E. coli)

IA (p21, Cip1)
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AnnotatedResults

29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-166s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-1429s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-784s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-700s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-343s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-166s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-1429s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-784s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-700s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-343s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-166s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-1429s1c1	TRCN00000
29997	GLTSCR2	glioma tumo	NM_015710	NM_015710.2-784s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-1122s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-261s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-369s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-742s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-1122s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-261s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-369s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-742s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-1122s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-261s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-369s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-742s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-1122s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-261s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-369s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-742s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-1122s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-261s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-369s1c1	TRCN00000
3055	HCK	hemopoietic	NM_002110	NM_002110.x-742s1c1	TRCN00000
Hela		Hela			
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3090	HIC1	hypermethyl	NM_006497	NM_006497.1-392s1c1	TRCN00000
3090	HIC1	hypermethyl	NM_006497	NM_006497.1-941s1c1	TRCN00000
3090	HIC1	hypermethyl	NM_006497	NM_006497.1-1982s1c1	TRCN00000

AnnotatedResults

84445	LZTS2	leucine zippe NM_032429	NM_032429.1-459s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-2058s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-717s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-1726s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-459s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-2058s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-717s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-1726s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-459s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-2058s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-717s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-1726s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-459s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-2058s1c1	TRCN00000
84445	LZTS2	leucine zippe NM_032429	NM_032429.1-717s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1332s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2689s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1388s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2284s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1332s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2689s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1388s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2284s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1332s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2689s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1388s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2284s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1332s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2689s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1388s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2284s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1332s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2689s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-1388s1c1	TRCN00000
4163	MCC	mutated in α NM_002387	NM_002387.1-2284s1c1	TRCN00000
	MCF7	MCF7		
	MCF7	MCF7		
	MCF7	MCF7		
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	MCF7	MCF7		
4221	MEN1	multiple endo NM_000244	NM_000244.2-2088s1c1	TRCN00000

AnnotatedResults

7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1701s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1330s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-2140s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-904s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-588s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-1440s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1962s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1055s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1372s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1701s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1330s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-2140s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-904s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-588s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024424	NM_024424.x-1440s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1962s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1055s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1372s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1701s1c1	TRCN00000
7490	WT1	Wilms tumo1	NM_024426	NM_024426.2-1330s1c1	TRCN00000

AnnotatedResults

TotalNumC	TotalNumC	Marker1Flu	Marker1Flu	Marker2Flu	Marker2Flu	NumCellsM	TotalNumM
15	0	181.080978	115.63383	42.226205	108.844235	2	0
18	5	175.35817	105.925505	163.96864	209.830909	4	1
5	0	203.892869	107.88609	76.810756	115.816153	1	0
4	0	507.72152	349.383735	262.068835	519.320524	2	0
8	2	453.467443	201.195883	334.340826	934.820755	6	2
19	0	217.828321	239.893821	57.547019	128.207364	2	0
33	0	207.105611	206.692176	137.056398	207.040081	1	0
10	0	134.484866	94.099405	38.894327	88.567363	0	0
11	0	491.286204	324.676667	162.780202	366.517378	4	0
18	0	389.195928	200.952086	380.886331	883.411278	3	0
19	0	217.828321	239.893821	57.547019	128.207364	2	0
33	0	207.105611	206.692176	137.056398	207.040081	1	0
10	0	134.484866	94.099405	38.894327	88.567363	0	0
11	0	491.286204	324.676667	162.780202	366.517378	4	0
18	0	389.195928	200.952086	380.886331	883.411278	3	0
26	0	264.052939	415.78399	40.520429	99.461	2	0
21	0	398.40225	764.383629	343.65848	769.430182	2	0
8	0	195.52563	171.734092	0	0	0	0
16	0	430.454765	332.624355	203.252859	812.150882	2	0
11	0	656.170569	477.255784	512.84407	1132.01264	4	0
33	0	231.367398	370.600552	33.895798	94.030232	2	0
35	0	367.149861	625.097284	224.936236	611.586099	4	0
14	0	221.969703	167.292915	172.56746	432.642817	0	0
40	0	523.961934	607.259752	85.577748	513.143696	7	0
29	0	476.425514	343.092137	214.553211	713.390802	5	0
33	0	231.367398	370.600552	33.895798	94.030232	2	0
35	0	367.149861	625.097284	224.936236	611.586099	4	0
14	0	221.969703	167.292915	172.56746	432.642817	0	0
40	0	523.961934	607.259752	85.577748	513.143696	7	0
29	0	476.425514	343.092137	214.553211	713.390802	5	0
65	11	347.046955	434.712673	27.75381	122.734248	21	3
17	0	532.527701	706.519793	145.056823	338.762879	8	0
92	22	532.39497	631.280547	145.451705	457.072803	52	13
10	0	415.816955	674.469355	10.961396	34.662979	3	0
7	0	155.475282	87.035961	0.346051	0.915566	1	0
88	0	370.083652	524.297022	27.844155	123.720506	13	0
23	0	538.510447	669.971424	178.015177	385.376255	6	0
98	0	614.309097	768.130971	150.48549	480.374795	27	0
11	0	512.076536	732.768069	117.752079	194.885008	3	0
9	0	210.923375	218.853398	0.269151	0.807453	1	0
88	0	370.083652	524.297022	27.844155	123.720506	13	0
23	0	538.510447	669.971424	178.015177	385.376255	6	0
98	0	614.309097	768.130971	150.48549	480.374795	27	0
11	0	512.076536	732.768069	117.752079	194.885008	3	0
9	0	210.923375	218.853398	0.269151	0.807453	1	0
93	0	248.205682	267.255242	9.90028	43.202982	7	0
24	0	621.372297	892.079568	143.824878	457.357978	6	0
52	0	475.001247	695.014116	79.627037	237.153839	8	0
22	0	421.775835	913.533664	27.800136	121.83227	2	0
20	0	197.607357	145.4544	44.188046	113.390484	1	0
109	0	240.004976	268.302871	9.538796	40.701059	9	0
32	0	523.77995	797.479883	107.868659	398.997491	7	0
68	0	480.045583	712.114554	49.86864	168.014492	11	0
31	0	498.542546	1043.56762	36.349992	137.986292	4	0
30	0	198.900919	142.195608	31.815734	102.737576	1	0
109	0	240.004976	268.302871	9.538796	40.701059	9	0
32	0	523.77995	797.479883	107.868659	398.997491	7	0

AnnotatedResults

68	0	480.045583	712.114554	49.86864	168.014492	11	0
31	0	498.542546	1043.56762	36.349992	137.986292	4	0
30	0	198.900919	142.195608	31.815734	102.737576	1	0
81	26	267.139846	231.501512	19.924012	45.581352	30	11
67	5	308.648174	402.973157	39.144851	198.322105	18	1
135	26	588.495105	781.737155	270.639068	596.325113	81	19
2	0	171.512499	90.300537	0	0	0	0
92	15	248.701795	202.670906	14.467027	40.403702	6	1
84	0	269.54892	348.063697	32.404277	178.494499	5	0
168	11	588.808204	777.17478	234.885165	555.488203	35	0
3	0	168.457795	64.070954	86.516129	149.850331	0	0
92	15	248.701795	202.670906	14.467027	40.403702	6	1
84	0	269.54892	348.063697	32.404277	178.494499	5	0
168	25	588.808204	777.17478	234.885165	555.488203	35	5
3	0	168.457795	64.070954	86.516129	149.850331	0	0
105	11	285.687808	439.815777	25.439437	64.751541	7	1
84	0	328.521477	551.347106	33.578311	207.242673	10	0
176	0	521.760168	697.863229	284.496043	727.379905	31	0
46	0	237.931066	170.688235	30.397384	74.411826	3	0
135	12	286.295644	439.765486	25.040988	68.850424	12	1
97	0	325.589548	524.858996	36.790824	200.118712	11	0
223	0	523.533001	738.850374	254.992094	706.910087	38	0
64	0	233.7011	212.969329	27.666986	69.609965	5	0
135	12	286.295644	439.765486	25.040988	68.850424	12	1
97	0	325.589548	524.858996	36.790824	200.118712	11	0
223	22	523.533001	738.850374	254.992094	706.910087	38	2
64	0	233.7011	212.969329	27.666986	69.609965	5	0
38	5	543.304513	495.668873	16.434288	91.180735	30	5
13	2	238.371839	163.866257	10.166379	28.46197	4	1
54	21	305.359235	239.857807	395.286348	823.827088	22	8
65	14	249.173975	283.83901	57.846019	392.377615	19	7
125	49	438.269947	612.949931	214.898152	493.503106	69	28
50	0	630.300619	571.927114	50.048845	243.559007	16	0
23	0	312.245879	273.728948	7.124479	22.624259	2	0
57	16	318.417004	270.585075	450.598616	940.484171	8	2
65	0	242.175027	288.10442	55.12217	329.030793	5	0
140	0	429.219424	569.727491	192.634094	497.598734	11	0
50	0	630.300619	571.927114	50.048845	243.559007	16	0
23	0	312.245879	273.728948	7.124479	22.624259	2	0
57	16	318.417004	270.585075	450.598616	940.484171	8	2
65	0	242.175027	288.10442	55.12217	329.030793	5	0
140	13	429.219424	569.727491	192.634094	497.598734	11	0
42	0	532.81432	543.306354	91.249761	388.965263	11	0
40	0	374.28738	451.031331	42.633381	119.691107	6	0
68	11	278.904514	234.880085	359.077107	966.162773	6	1
72	0	243.033958	270.196669	101.503841	477.027965	6	0
159	0	421.895192	460.384841	373.342578	889.54793	14	0
54	0	528.128396	484.016268	76.512841	344.478766	17	0
62	0	339.304887	406.067395	38.717758	108.784585	8	0
89	12	286.306663	248.599203	304.646391	948.936011	7	2
89	0	260.380354	375.605691	85.591977	430.92796	8	0
187	0	411.990625	447.299145	353.13167	861.564348	18	0
54	0	528.128396	484.016268	76.512841	344.478766	17	0
62	0	339.304887	406.067395	38.717758	108.784585	8	0
89	12	286.306663	248.599203	304.646391	948.936011	7	2
89	0	260.380354	375.605691	85.591977	430.92796	8	0
187	15	411.990625	447.299145	353.13167	861.564348	18	2
271	103	547.617584	579.534615	191.713104	514.316937	179	79

AnnotatedResults

85	32	225.962248	333.397462	88.693827	194.161823	13	3
155	23	291.304508	271.70496	53.740171	173.0328	49	5
65	16	168.064147	164.203175	11.310995	40.658253	11	0
168	53	840.312022	1267.30682	344.6861	784.356025	104	43
288	0	540.104942	540.309627	187.041208	506.365013	74	0
99	0	224.24534	314.911232	98.516096	209.169752	4	0
165	0	281.062715	258.149695	59.388881	173.746307	15	0
73	0	162.614422	192.45145	11.947991	40.847307	2	0
201	15	882.524	1359.42	345.685	775.503	54	15
288	46	540.104942	540.309627	187.041208	506.365013	74	15
99	6	224.24534	314.911232	98.516096	209.169752	4	2
165	0	281.062715	258.149695	59.388881	173.746307	15	0
73	0	162.614422	192.45145	11.947991	40.847307	2	0
201	28	882.52412	1359.42494	345.685431	775.50321	54	21
288	0	553.791	589.161472	279.307442	724.766012	75	0
131	0	208.169783	206.388598	86.166623	186.272595	3	0
164	0	268.763769	260.193134	77.467206	221.782382	14	0
96	0	177.31401	173.634515	23.588327	68.957343	5	0
166	13	737.988295	1043.7436	403.453292	757.759168	40	13
323	0	543.780391	573.364166	251.338802	686.127526	82	0
142	0	220.646489	279.696712	78.592527	180.150706	4	0
185	0	262.952248	261.701805	71.938583	218.031631	16	0
119	0	214.632329	263.014042	32.26799	132.158178	8	0
187	13	700.027188	1010.30921	368.020202	729.874993	42	13
323	35	543.780391	573.364166	251.338802	686.127526	82	12
142	6	220.646489	279.696712	78.592527	180.150706	4	0
185	0	262.952248	261.701805	71.938583	218.031631	16	0
119	0	214.632329	263.014042	32.26799	132.158178	8	0
187	25	700.027188	1010.30921	368.020202	729.874993	42	14
70	10	344.564714	657.881078	19.702789	62.707327	13	0
40	4	808.18026	1036.58504	107.163087	429.67756	28	4
219	102	544.158304	580.664342	145.719499	461.565519	155	78
245	118	590.683869	669.212196	541.118983	884.326008	176	95
85	0	350.033539	631.349399	46.74999	159.536245	8	0
57	0	802.2254	946.219788	223.435459	524.457864	18	0
240	23	551.287488	630.086977	154.965147	468.236606	56	0
247	45	607.068739	682.345081	621.860653	949.855933	76	8
85	0	350.033539	631.349399	46.74999	159.536245	8	0
57	0	802.2254	946.219788	223.435459	524.457864	18	0
240	36	551.287488	630.086977	154.965147	468.236606	56	9
247	78	607.068739	682.345081	621.860653	949.855933	76	24
89	0	294.535054	426.509481	53.493836	164.234427	10	0
83	0	533.691171	623.300728	156.786502	478.800552	15	0
258	25	629.4638	713.73623	230.459074	622.797103	85	3
286	46	583.153428	716.440406	766.017795	1158.3822	82	9
118	0	323.450912	483.556207	49.526505	152.66007	16	0
110	0	516.754853	615.506442	152.182131	514.079903	17	0
320	35	648.863722	789.484928	204.303552	577.115057	101	11
309	52	562.847898	692.255785	739.528071	1126.48188	83	9
118	0	323.450912	483.556207	49.526505	152.66007	16	0
110	7	516.754853	615.506442	152.182131	514.079903	17	1
320	56	648.863722	789.484928	204.303552	577.115057	101	19
309	114	562.847898	692.255785	739.528071	1126.48188	83	31
22	2	275.462116	543.534195	135.662675	574.461649	3	1
3	0	746.789472	818.966824	1.588946	2.752136	2	0
2	0	234.855607	110.984265	0	0	1	0
28	0	185.772756	158.890217	18.560739	51.718137	4	0
41	6	204.691213	145.951059	19.864448	48.986631	10	1

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33	0	297.59203	481.559633	125.331027	478.608629	2	0
5	0	512.357178	667.852775	0.953368	2.131795	1	0
0	0					0	0
31	0	184.039317	156.452556	18.323243	49.643561	1	0
49	0	365.266668	558.057286	38.139667	94.734359	5	0
33	0	297.59203	481.559633	125.331027	478.608629	2	0
5	0	512.357178	667.852775	0.953368	2.131795	1	0
0	0					0	0
31	0	184.039317	156.452556	18.323243	49.643561	1	0
49	0	365.266668	558.057286	38.139667	94.734359	5	0
51	0	196.487999	193.453728	20.448657	65.794005	2	0
21	0	718.042011	1055.02246	7.061844	18.112396	6	0
10	0	415.219592	540.448405	32.45269	98.104506	1	0
34	0	220.801388	191.554778	56.076203	135.95698	3	0
56	0	395.14793	569.222432	48.879562	129.686563	7	0
67	0	223.864526	282.186826	38.873261	157.559986	3	0
34	0	725.856011	985.157015	91.833248	357.964642	11	0
20	0	312.246642	402.543904	21.280388	71.932885	1	0
37	0	236.582119	214.233179	61.856169	178.927778	3	0
78	0	355.555908	544.706868	43.41851	118.666174	8	0
67	0	223.864526	282.186826	38.873261	157.559986	3	0
34	0	725.856011	985.157015	91.833248	357.964642	11	0
20	0	312.246642	402.543904	21.280388	71.932885	1	0
37	0	236.582119	214.233179	61.856169	178.927778	3	0
78	0	355.555908	544.706868	43.41851	118.666174	8	0
112	19	302.5327	387.318616	13.075146	68.35941	31	5
29	10	311.390147	171.865309	68.941868	364.802337	14	4
135	0	273.761878	375.837442	16.897082	90.243825	12	0
57	0	394.167716	342.337284	226.107585	660.040133	7	0
135	0	273.761878	375.837442	16.897082	90.243825	12	0
57	6	394.167716	342.337284	226.107585	660.040133	7	3
148	0	241.339759	265.084629	19.355274	113.091312	11	0
54	0	356.99989	208.667826	147.825609	589.606778	6	0
167	0	242.499798	253.708923	16.753231	107.845068	13	0
73	0	341.048754	188.545051	110.434655	513.739464	5	0
167	0	242.499798	253.708923	16.753231	107.845068	13	0
73	0	341.048754	188.545051	110.434655	513.739464	5	0
197	98	347.148644	526.692136	128.510406	444.554395	60	29
46	4	391.638062	308.405531	43.94331	196.800462	23	1
7	0	249.535506	172.897133	2.68791	4.612713	2	0
1	0	57.2		0		0	0
149	63	642.647177	828.543917	249.162229	624.502433	109	49
208	34	351.17677	527.203216	124.623956	444.47796	15	0
60	0	419.941573	327.289434	42.828632	185.384084	10	0
16	0	231.791956	147.875495	6.247216	20.31833	0	0
1	0	62.857143		0		0	0
243	51	616.3227	709.297632	221.399266	590.621414	74	9
208	50	351.17677	527.203216	124.623956	444.47796	15	1
60	0	419.941573	327.289434	42.828632	185.384084	10	0
16	0	231.791956	147.875495	6.247216	20.31833	0	0
1	0	62.857143		0		0	0
243	63	616.3227	709.297632	221.399266	590.621414	74	13
232	24	353.960183	613.297442	130.621269	437.372425	16	0
77	0	454.009115	531.742627	46.471021	140.334883	14	0
24	0	247.56243	187.88228	3.423078	14.754773	2	0
6	0	117.59891	62.102781	0	0	0	0
125	0	672.633833	978.239249	164.334883	527.015629	40	0
271	43	368.078526	661.625713	122.806499	419.602367	21	0

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99	0	418.293603	494.530894	39.947944	127.719765	16	0
37	0	233.046648	177.725244	3.866403	15.296752	2	0
9	0	120.967006	61.359368	0.575139	1.725417	0	0
180	0	585.165008	850.671766	153.300108	515.209039	43	0
271	43	368.078526	661.625713	122.806499	419.602367	21	0
99	0	418.293603	494.530894	39.947944	127.719765	16	0
37	0	233.046648	177.725244	3.866403	15.296752	2	0
9	0	120.967006	61.359368	0.575139	1.725417	0	0
180	31	585.165008	850.671766	153.300108	515.209039	43	7
145	41	355.249	310.722	144.395	568.965	64	25
19	0	262.053413	226.092163	7.928275	31.7137	6	0
31	4	212.204465	200.32181	14.905754	53.675852	7	1
158	0	352.965422	305.180921	147.026831	553.96102	21	0
25	0	240.892022	211.806755	6.034509	27.67943	3	0
36	0	227.088345	206.620732	13.162442	49.743876	2	0
158	18	352.965422	305.180921	147.026831	553.96102	21	5
25	0	240.892022	211.806755	6.034509	27.67943	3	0
36	0	227.088345	206.620732	13.162442	49.743876	2	0
205	11	377.16119	282.365728	212.828219	680.28471	32	7
33	0	226.597168	199.724609	21.353383	85.459849	3	0
34	0	214.232907	196.484129	3.662679	12.089804	2	0
235	11	367.556901	279.316253	196.873519	651.807756	35	7
56	0	287.201082	469.258581	17.947029	68.40155	6	0
73	0	230.50233	207.680437	4.879605	26.325939	4	0
235	23	367.556901	279.316253	196.873519	651.807756	35	9
56	0	287.201082	469.258581	17.947029	68.40155	6	0
73	0	230.50233	207.680437	4.879605	26.325939	4	0
33	4	332.371688	470.583938	54.69853	149.174808	11	2
32	2	228.061178	337.198636	59.666805	330.366276	3	0
121	51	371.138929	520.098239	348.159757	520.87524	45	20
32	0	357.497509	498.220865	67.302275	160.175943	5	0
39	0	235.133492	331.189382	57.034775	300.340161	3	0
134	32	350.639461	498.339539	353.743066	515.391195	16	5
32	0	357.497509	498.220865	67.302275	160.175943	5	0
39	0	235.133492	331.189382	57.034775	300.340161	3	0
134	47	350.639461	498.339539	353.743066	515.391195	16	11
61	0	274.626977	361.301607	52.838976	140.985356	5	0
20	0	318.371978	577.249943	9.110206	29.561799	1	0
120	23	284.386672	331.744612	292.518972	527.195808	11	1
89	0	315.001958	528.556482	47.85031	124.596082	8	0
47	0	254.931817	418.267219	24.949533	58.210932	3	0
151	21	299.95634	363.004376	246.633219	487.251252	16	1
89	0	315.001958	528.556482	47.85031	124.596082	8	0
47	0	254.931817	418.267219	24.949533	58.210932	3	0
151	21	299.95634	363.004376	246.633219	487.251252	16	1
13	0	291.77403	415.598401	79.485884	218.903366	2	0
11	2	933.278293	541.927706	64.26961	136.535556	10	2
1	0	255.111111		0		0	0
5	0	185.117391	97.944001	0	0	1	0
17	2	308.23908	426.406839	1.018576	4.199696	5	1
14	0	317.419457	398.608161	67.711375	190.494433	2	0
31	0	857.400764	858.259214	22.597007	75.404869	13	0
5	0	196.525708	55.815321	0	0	0	0
12	0	190.71105	109.182968	0	0	0	0
20	0	400.880574	486.3564	59.019183	200.255353	5	0
14	0	317.419457	398.608161	67.711375	190.494433	2	0
31	0	857.400764	858.259214	22.597007	75.404869	13	0
5	0	196.525708	55.815321	0	0	0	0

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12	0	190.71105	109.182968	0	0	0	0
20	0	400.880574	486.3564	59.019183	200.255353	5	0
15	0	385.108473	772.874998	11.75037	45.508989	1	0
40	0	1211.92086	671.379138	23.706574	62.026006	30	0
3	0	163.761712	68.098953	5.102881	8.838449	0	0
37	0	414.765134	685.291441	110.78655	302.220827	4	0
28	0	346.618912	391.092624	89.584645	259.650483	5	0
23	0	345.594238	636.743416	7.663285	36.751824	2	0
133	0	1149.94076	602.083935	15.899387	48.715207	107	0
5	0	336.068915	385.193742	125.699634	273.519201	1	0
67	0	322.593258	522.742673	73.325681	235.158758	5	0
38	0	303.770793	348.390401	68.694816	230.262778	5	0
23	0	345.594238	636.743416	7.663285	36.751824	2	0
133	0	1149.94076	602.083935	15.899387	48.715207	107	0
5	0	336.068915	385.193742	125.699634	273.519201	1	0
67	0	322.593258	522.742673	73.325681	235.158758	5	0
38	0	303.770793	348.390401	68.694816	230.262778	5	0
10	0	795.12104	1401.05046	102.507935	284.627622	3	0
49	2	324.780443	621.046745	32.21598	94.24251	11	0
12	0	658.291164	1274.06206	75.687956	262.190771	2	0
60	0	305.811579	573.805952	47.98507	123.8978	5	0
12	0	658.291164	1274.06206	75.687956	262.190771	2	0
60	0	305.811579	573.805952	47.98507	123.8978	5	0
15	0	607.154715	1080.28398	251.913341	501.763332	3	0
50	0	241.87141	386.366582	53.884948	157.507511	4	0
27	0	428.679621	822.927034	143.869181	388.376531	3	0
75	0	241.024886	328.287753	44.219354	135.051321	5	0
27	0	428.679621	822.927034	143.869181	388.376531	3	0
75	0	241.024886	328.287753	44.219354	135.051321	5	0
49	16	354.208232	367.5687	36.626216	116.196461	21	7
41	9	767.601679	1203.90533	216.574061	516.885679	19	5
60	9	459.321	446.276359	143.639169	451.387825	38	9
83	35	490.825913	727.533892	378.404171	718.191381	44	21
59	11	340.398768	246.8464	119.8686	501.548781	4	0
63	0	649.179705	1058.11064	167.779277	459.036399	10	0
71	0	436.039123	455.607239	154.210668	447.96454	10	0
114	0	520.146344	786.675609	440.346948	892.256406	18	0
59	11	340.398768	246.8464	119.8686	501.548781	4	0
63	6	649.179705	1058.11064	167.779277	459.036399	10	0
71	0	436.039123	455.607239	154.210668	447.96454	10	0
114	6	520.146344	786.675609	440.346948	892.256406	18	6
69	12	441.727224	614.624212	265.605932	687.25677	7	0
66	0	598.213377	944.357255	135.269831	383.359505	13	0
85	0	573.90723	742.19708	166.991852	541.820161	19	0
88	0	556.047621	668.563024	546.49182	1028.33329	18	0
91	12	420.361967	573.821196	208.400527	607.879246	11	0
80	0	593.244399	963.948667	134.054333	372.905899	14	0
105	0	511.083245	676.847618	116.109042	443.790106	19	0
107	0	491.056467	614.103676	466.187971	947.517021	20	0
91	12	420.361967	573.821196	208.400527	607.879246	11	0
80	6	593.244399	963.948667	134.054333	372.905899	14	0
105	0	511.083245	676.847618	116.109042	443.790106	19	0
107	7	491.056467	614.103676	466.187971	947.517021	20	7
11	0	305.335674	338.595958	17.099134	38.667602	3	0
1	0	117.391304		0		0	0
21	0	313.987951	308.247184	23.29531	89.792287	3	0
2	0	121.852941	14.350108	0	0	0	0
21	0	313.987951	308.247184	23.29531	89.792287	3	0

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2	0	121.852941	14.350108	0	0	0	0
10	0	520.524916	765.261045	50.348799	158.962909	2	0
2	0	119.643728	74.860052	0	0	0	0
22	0	459.781347	663.898994	37.364572	110.746262	4	0
8	0	452.357199	992.097561	18.079861	51.13757	1	0
22	0	459.781347	663.898994	37.364572	110.746262	4	0
8	0	452.357199	992.097561	18.079861	51.13757	1	0
56	7	207.907593	262.356781	20.746099	71.723764	11	0
54	11	243.280175	290.603304	58.51327	143.44297	13	2
170	9	228.864165	152.116055	70.601792	285.545651	37	7
55	0	200.883858	256.45127	25.205701	82.413342	2	0
75	0	206.093372	231.748378	36.498425	116.24776	4	0
223	0	262.56143	239.017295	80.06109	275.56871	15	0
55	0	200.883858	256.45127	25.205701	82.413342	2	0
75	0	206.093372	231.748378	36.498425	116.24776	4	0
223	6	262.56143	239.017295	80.06109	275.56871	15	0
68	0	207.041963	230.092843	33.138121	106.14693	4	0
47	0	228.171334	290.565338	44.949919	168.132583	3	0
235	0	214.909171	160.152742	25.452705	182.477461	7	0
104	0	232.692205	281.399296	31.165143	99.362241	7	0
74	0	302.632228	493.269335	61.391542	219.060586	7	0
392	0	240.098061	208.553481	27.322447	170.939536	26	0
104	7	232.692205	281.399296	31.165143	99.362241	7	1
74	0	302.632228	493.269335	61.391542	219.060586	7	0
392	12	240.098061	208.553481	27.322447	170.939536	26	0
9	2	326.268736	173.043681	16.800377	50.40113	4	0
5	0	1291.5011	2263.80023	0.227664	0.509072	3	0
31	2	602.709185	880.012314	408.247448	830.204913	18	1
170	24	944.815892	874.773036	187.513171	494.601436	133	20
5	0	319.209178	189.805254	0	0	0	0
15	0	629.449501	1307.16353	247.798071	661.865225	1	0
34	0	383.046208	231.086711	249.049926	659.043807	6	0
176	0	886.061285	858.377726	269.74571	689.921709	86	0
5	0	319.209178	189.805254	0	0	0	0
15	0	629.449501	1307.16353	247.798071	661.865225	1	0
34	0	383.046208	231.086711	249.049926	659.043807	6	0
176	0	886.061285	858.377726	269.74571	689.921709	86	0
25	0	461.996075	575.86581	78.771649	328.527919	4	0
18	0	761.50511	1257.73602	253.778282	726.408862	3	0
3	0	266.835862	194.266667	3.103175	5.374856	0	0
142	0	1212.83582	919.807562	148.89947	442.540965	99	0
36	0	414.775101	492.930185	111.981897	364.804634	5	0
45	0	549.002672	826.325468	190.894859	580.625848	7	0
17	0	528.333266	980.532214	565.771268	965.580265	2	0
243	0	1142.70512	920.375785	135.44903	484.648788	156	0
36	0	414.775101	492.930185	111.981897	364.804634	5	0
45	0	549.002672	826.325468	190.894859	580.625848	7	0
17	0	528.333266	980.532214	565.771268	965.580265	2	0
243	0	1142.70512	920.375785	135.44903	484.648788	156	0
25	6	351.853013	619.087914	68.680411	252.665516	7	1
101	10	527.03731	532.310222	18.850444	77.789106	51	7
35	3	547.643712	438.901652	8.503625	26.177224	22	2
3	2	558.354557	363.465459	24.033813	21.09022	2	2
19	0	369.889206	291.850785	4.415243	12.042501	9	0
34	4	333.133	192.436	63.6268	263.489	18	4
7	0	172.551467	77.00904	0	0	0	0
109	22	230.870789	348.119823	10.535256	78.694296	23	3
50	0	290.450574	435.20834	132.342254	345.364614	4	0

AnnotatedResults

100	0	573.949137	652.631995	18.865244	78.188436	24	0
38	0	584.463254	470.281194	17.335133	62.162009	13	0
3	0	558.354557	363.465459	24.033813	21.09022	1	0
32	0	463.035174	458.268469	211.695182	408.089847	4	0
36	0	338.702196	230.186908	70.065925	297.660881	4	0
22	0	210.14636	201.527354	7.887872	30.80336	1	0
108	0	250.390678	378.157929	20.080191	121.433863	4	0
50	0	290.450574	435.20834	132.342254	345.364614	4	0
100	0	573.949137	652.631995	18.865244	78.188436	24	0
38	0	584.463254	470.281194	17.335133	62.162009	13	0
3	0	558.354557	363.465459	24.033813	21.09022	1	0
32	0	463.035174	458.268469	211.695182	408.089847	4	0
36	0	338.702196	230.186908	70.065925	297.660881	4	0
22	0	210.14636	201.527354	7.887872	30.80336	1	0
108	0	250.390678	378.157929	20.080191	121.433863	4	0
15	0	303.19378	305.736086	275.224542	552.302798	3	0
91	0	1405.46198	1007.29655	32.200618	59.135874	65	0
21	0	669.48862	477.907554	71.195074	287.530801	11	0
8	0	849.374175	1192.95823	0.074	0.209304	3	0
16	0	473.253933	367.923869	41.116642	105.890604	4	0
35	0	493.216062	473.635965	26.822914	102.422185	9	0
15	0	404.843082	848.009178	48.316838	121.727924	1	0
102	0	250.781709	458.312494	15.258387	91.887438	6	0
36	0	261.211207	295.618548	203.699105	419.696005	4	0
263	0	1413.55093	890.97221	30.522	68.103353	209	0
53	0	585.089634	464.26434	45.760975	194.954787	20	0
17	0	502.165482	876.723084	5.293791	18.024255	4	0
50	0	391.156857	361.582117	32.000324	111.717309	9	0
54	0	424.626737	406.964953	21.594358	85.973457	10	0
27	0	390.306224	679.123238	26.890653	89.510196	3	0
121	0	234.085054	424.697455	15.112633	85.430649	7	0
36	0	261.211207	295.618548	203.699105	419.696005	4	0
263	0	1413.55093	890.97221	30.522	68.103353	209	0
53	0	585.089634	464.26434	45.760975	194.954787	20	0
17	0	502.165482	876.723084	5.293791	18.024255	4	0
50	0	391.156857	361.582117	32.000324	111.717309	9	0
54	0	424.626737	406.964953	21.594358	85.973457	10	0
27	0	390.306224	679.123238	26.890653	89.510196	3	0
121	0	234.085054	424.697455	15.112633	85.430649	7	0
3	0	2709.2938	2177.90114	32.861406	48.941753	2	0
7	0	847.378588	1387.18095	613.038483	1091.71238	3	0
13	0	324.42733	682.643535	0	0	1	0
3	0	2709.2938	2177.90114	32.861406	48.941753	2	0
14	0	925.884268	1359.79192	545.224648	840.290763	3	0
24	0	247.948719	506.788611	0.690311	3.381821	1	0
3	0	2709.2938	2177.90114	32.861406	48.941753	2	0
14	0	925.884268	1359.79192	545.224648	840.290763	3	0
24	0	247.948719	506.788611	0.690311	3.381821	1	0
7	0	383.166716	675.768502	3.838573	6.865193	1	0
28	0	512.858439	684.132144	420.265274	728.306314	7	0
13	0	232.723175	161.780872	0.521386	1.084901	1	0
10	0	320.973921	562.573747	2.687001	5.904123	1	0
41	0	417.380456	591.430199	291.073975	626.648184	7	0
23	0	218.956714	209.434922	1.932378	7.835096	2	0
10	0	320.973921	562.573747	2.687001	5.904123	1	0
41	6	417.380456	591.430199	291.073975	626.648184	7	0
23	0	218.956714	209.434922	1.932378	7.835096	2	0
119	30	245.304123	219.595355	13.589744	52.529471	34	8

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72	25	166.560521	132.165461	23.488226	63.828475	12	7
134	14	350.50701	451.100499	207.870223	492.606286	43	8
9	0	1034.80949	1611.068	859.834154	1705.39834	4	0
136	0	231.718207	218.176757	14.871373	56.891044	7	0
94	0	216.458943	480.29307	84.185028	471.965155	4	0
147	0	433.590412	598.113917	212.808617	493.957516	23	0
22	0	677.040777	1170.57064	535.027985	1230.40084	4	0
136	7	231.718207	218.176757	14.871373	56.891044	7	0
94	7	216.458943	480.29307	84.185028	471.965155	4	2
147	0	433.590412	598.113917	212.808617	493.957516	23	0
22	0	677.040777	1170.57064	535.027985	1230.40084	4	0
131	0	273.065923	420.890157	11.139363	39.294124	12	0
118	0	205.363935	243.72494	31.098742	82.207391	5	0
180	0	451.927121	685.564872	236.777676	587.473956	29	0
42	0	341.293967	647.510818	131.734611	635.028765	4	0
162	0	266.088211	395.522667	13.222364	44.976035	15	0
143	0	211.228588	291.048015	32.821179	95.190984	6	0
226	0	407.947696	581.981495	190.175443	525.111056	31	0
62	0	329.753095	561.35498	94.976268	523.796381	7	0
162	0	266.088211	395.522667	13.222364	44.976035	15	0
143	8	211.228588	291.048015	32.821179	95.190984	6	1
226	6	407.947696	581.981495	190.175443	525.111056	31	4
62	0	329.753095	561.35498	94.976268	523.796381	7	0
16	0	474.136011	789.546186	8.782411	23.132547	6	0
6	0	212.835555	128.917222	8.728869	21.381274	2	0
122	35	274.030475	381.523515	250.025859	642.476136	29	15
114	23	342.049208	723.63139	92.412969	226.353866	28	3
29	0	399.30179	597.336165	5.663274	20.955865	4	0
15	0	207.083318	100.293436	1.748938	5.929195	0	0
138	0	252.72636	324.168303	252.313706	607.303272	13	0
155	0	332.069826	743.549659	87.419949	220.867516	11	0
29	0	399.30179	597.336165	5.663274	20.955865	4	0
15	0	207.083318	100.293436	1.748938	5.929195	0	0
138	13	252.72636	324.168303	252.313706	607.303272	13	5
155	13	332.069826	743.549659	87.419949	220.867516	11	6
14	0	265.326433	250.061313	25.086062	54.827361	2	0
31	0	286.862249	537.046343	25.548724	51.479188	2	0
147	0	317.401544	592.476338	205.762698	602.080792	14	0
214	14	364.076372	848.047495	124.147982	331.410486	16	0
37	0	377.422273	458.114786	11.827993	35.230174	7	0
48	0	303.261777	472.186863	21.191749	49.6482	5	0
176	0	310.092494	551.959085	185.313773	571.050727	17	0
267	10	328.740151	755.191228	102.977919	295.799766	18	0
37	0	377.422273	458.114786	11.827993	35.230174	7	0
48	0	303.261777	472.186863	21.191749	49.6482	5	0
176	13	310.092494	551.959085	185.313773	571.050727	17	3
267	26	328.740151	755.191228	102.977919	295.799766	18	8
186	48	483.230479	594.094426	374.895052	855.935505	106	33
0	0					0	0
3	0	142.589271	48.402603	0	0	0	0
54	0	301.05968	511.536734	20.579566	109.278015	12	0
10	0	117.808575	107.712231	41.309927	111.894362	1	0
200	10	493.890296	603.108296	329.837267	744.434215	44	2
0	0					0	0
5	0	188.267082	90.655015	8.307692	18.576565	0	0
58	0	359.44951	680.62077	5.459581	25.83358	5	0
12	0	205.115756	226.112461	80.528955	176.366664	1	0
200	10	493.890296	603.108296	329.837267	744.434215	44	2

AnnotatedResults

0	0					0	0
5	0	188.267082	90.655015	8.307692	18.576565	0	0
58	0	359.44951	680.62077	5.459581	25.83358	5	0
12	0	205.115756	226.112461	80.528955	176.366664	1	0
196	0	629.724528	776.685863	473.251027	974.633027	57	0
2	0	160.206023	29.170059	4.769167	6.26124	0	0
5	0	174.732298	86.991425	8.841826	17.543826	0	0
70	0	418.611637	716.062596	3.362062	14.980111	11	0
27	0	171.496281	197.587017	58.091182	193.877006	1	0
229	10	581.065651	708.905287	449.595553	966.104326	59	3
6	0	175.735733	45.789619	1.589722	3.729068	0	0
8	0	190.762809	125.339731	9.362207	16.312182	0	0
98	0	390.989686	660.760811	4.997203	21.735261	13	0
53	0	204.562817	239.179322	35.08927	143.460988	3	0
229	33	581.065651	708.905287	449.595553	966.104326	59	15
6	0	175.735733	45.789619	1.589722	3.729068	0	0
8	0	190.762809	125.339731	9.362207	16.312182	0	0
98	0	390.989686	660.760811	4.997203	21.735261	13	0
53	0	204.562817	239.179322	35.08927	143.460988	3	0
19	0	272.834441	281.82181	7.85981	23.737136	5	0
3	0	1594.63378	2493.80004	1.104892	1.913729	1	0
21	2	443.096369	339.358494	185.968165	594.095214	13	1
95	51	806.549319	982.594103	573.454047	760.480792	65	42
72	24	385.398039	771.60862	49.800997	171.769643	20	7
30	0	398.944087	494.069333	41.44145	93.99342	6	0
2	0	2327.24137	3035.90657	1.657338	2.34383	1	0
34	0	448.46352	289.69971	447.223498	791.259621	6	0
103	15	788.034987	896.682597	646.12876	805.093118	43	9
74	0	397.702806	798.032198	47.854066	177.176509	6	0
30	0	398.944087	494.069333	41.44145	93.99342	6	0
2	0	2327.24137	3035.90657	1.657338	2.34383	1	0
34	0	448.46352	289.69971	447.223498	791.259621	6	0
103	24	788.034987	896.682597	646.12876	805.093118	43	14
74	0	397.702806	798.032198	47.854066	177.176509	6	0
63	0	352.413735	606.56052	23.896117	86.898459	8	0
2	0	299.996337	198.79284	17.25	24.395184	0	0
13	0	768.992175	781.063048	979.950157	1190.76243	5	0
102	0	567.827612	628.418943	547.533319	897.581948	24	0
104	10	432.358123	793.804064	90.08784	259.953934	12	3
102	0	340.267133	601.929281	9.783521	33.649374	11	0
4	0	215.278585	158.995397	13.295168	16.655045	0	0
22	0	648.713407	629.997101	574.564463	1070.35757	5	0
125	0	531.934193	605.651335	455.819078	821.080321	27	0
119	10	436.378258	785.098584	97.034041	261.768285	13	3
102	0	340.267133	601.929281	9.783521	33.649374	11	0
4	0	215.278585	158.995397	13.295168	16.655045	0	0
22	0	648.713407	629.997101	574.564463	1070.35757	5	0
125	15	531.934193	605.651335	455.819078	821.080321	27	9
119	17	436.378258	785.098584	97.034041	261.768285	13	3
5	0	178.845182	177.696787	0	0	1	0
3	0	260.63396	233.954978	0	0	1	0
3	0	95.214448	28.051252	5.689655	9.854772	0	0
1	0	181.588235		0		0	0
0	0					0	0
24	0	278.817537	247.592536	9.530024	26.492614	3	0
8	0	159.808216	78.97002	0	0	0	0
6	0	193.874869	155.957762	12.294492	22.799491	0	0
1	0	181.588235		0		0	0

AnnotatedResults

0	0					0	0
24	0	278.817537	247.592536	9.530024	26.492614	3	0
8	0	159.808216	78.97002	0	0	0	0
6	0	193.874869	155.957762	12.294492	22.799491	0	0
1	0	181.588235		0		0	0
0	0					0	0
59	0	354.768705	512.150284	36.0292	119.22648	8	0
17	0	216.408588	165.567028	1.084561	2.653569	1	0
3	0	809.882185	606.49306	50.21676	75.282216	2	0
3	0	169.547207	84.611272	0	0	0	0
7	0	462.014455	246.928004	0.728571	1.927619	1	0
81	0	332.587742	504.006775	38.715	117.294834	10	0
34	0	264.156069	275.242644	0.622145	2.266703	3	0
6	0	637.436902	461.756135	24.127912	52.597373	3	0
4	0	166.980406	69.275288	0	0	0	0
16	0	285.380228	261.268413	42.055228	117.863371	1	0
81	0	332.587742	504.006775	38.715	117.294834	10	0
34	0	264.156069	275.242644	0.622145	2.266703	3	0
6	0	637.436902	461.756135	24.127912	52.597373	3	0
4	0	166.980406	69.275288	0	0	0	0
16	0	285.380228	261.268413	42.055228	117.863371	1	0
423	242	655.781003	915.177118	127.669253	390.434727	314	199
55	13	713.582969	715.490431	426.395362	719.423266	44	13
98	35	494.953719	563.704158	209.901977	596.793743	59	19
176	54	541.888181	561.00416	474.337192	958.452036	127	46
103	24	356.02265	630.131481	68.162717	133.848324	26	3
495	43	615.059939	839.124604	119.304862	372.942823	114	5
57	0	676.86456	744.718557	452.169627	781.705798	21	0
113	10	515.966269	586.824856	224.888398	600.891184	19	0
182	15	521.372677	539.865543	435.20722	923.40532	40	7
132	11	300.837767	442.074102	79.785095	145.091252	11	0
495	108	615.059939	839.124604	119.304862	372.942823	114	45
57	0	676.86456	744.718557	452.169627	781.705798	21	0
113	10	515.966269	586.824856	224.888398	600.891184	19	0
182	21	521.372677	539.865543	435.20722	923.40532	40	7
132	18	300.837767	442.074102	79.785095	145.091252	11	0
465	20	613.728923	876.716653	133.848372	440.732202	106	14
61	0	678.352122	772.060455	355.790095	644.56096	22	0
149	14	651.819488	1089.81522	277.259449	750.245003	34	2
203	17	530.365181	570.678686	454.012792	1026.04261	47	5
158	0	255.590968	366.159242	90.204412	187.302045	11	0
530	20	586.537989	852.952089	128.310395	428.473561	116	14
72	0	634.209572	721.366553	304.988086	602.287104	25	0
166	14	626.54521	1035.7079	256.755468	712.366176	39	2
247	17	535.322542	592.781193	391.312905	959.585371	57	5
192	0	256.567297	363.835267	83.256302	180.38139	14	0
530	101	586.537989	852.952089	128.310395	428.473561	116	46
72	12	634.209572	721.366553	304.988086	602.287104	25	4
166	32	626.54521	1035.7079	256.755468	712.366176	39	4
247	52	535.322542	592.781193	391.312905	959.585371	57	17
192	6	256.567297	363.835267	83.256302	180.38139	14	0
84	2	287.885195	334.300525	28.96529	166.572426	22	1
112	29	275.519642	389.145515	3.902453	19.075432	27	4
32	0	271.325551	286.419002	209.705558	458.994491	10	0
181	79	542.122446	868.703729	625.595165	1026.82081	94	57
10	0	331.212887	370.474803	123.042837	173.639593	4	0
82	0	309.083972	343.556076	30.208012	168.490495	11	0
118	0	291.19496	365.730403	12.403021	61.273407	12	0

AnnotatedResults

38	0	308.005841	396.490303	151.131758	404.66226	4	0
206	29	578.711564	951.546951	616.769215	1031.28833	35	9
19	0	225.041676	224.711368	84.11742	154.306192	2	0
82	0	309.083972	343.556076	30.208012	168.490495	11	0
118	0	291.19496	365.730403	12.403021	61.273407	12	0
38	0	308.005841	396.490303	151.131758	404.66226	4	0
206	62	578.711564	951.546951	616.769215	1031.28833	35	20
19	0	225.041676	224.711368	84.11742	154.306192	2	0
95	0	359.005729	524.063448	33.917602	214.456833	14	0
145	0	255.135764	306.023967	14.429128	68.84856	7	0
42	0	250.317644	181.824025	155.710636	439.698894	2	0
240	36	536.213452	677.852751	735.696418	1243.69997	49	18
34	0	238.286387	244.706246	88.351699	221.432385	2	0
99	0	356.045239	522.830477	32.132615	204.780439	14	0
167	0	251.339743	303.394655	9.185243	47.701958	8	0
60	0	343.800321	638.207053	130.380404	403.291152	5	0
288	57	550.099786	743.3524	658.06354	1166.20986	56	23
43	0	259.468996	254.754078	72.380968	199.241008	4	0
99	0	356.045239	522.830477	32.132615	204.780439	14	0
167	8	251.339743	303.394655	9.185243	47.701958	8	0
60	0	343.800321	638.207053	130.380404	403.291152	5	0
288	86	550.099786	743.3524	658.06354	1166.20986	56	28
43	0	259.468996	254.754078	72.380968	199.241008	4	0
15	8	366.444184	534.444406	35.640801	113.494609	4	2
77	22	365.124906	391.610351	180.789922	463.731321	37	10
8	2	349.944336	422.357338	175.010805	217.820378	2	0
0	0					0	0
2	0	176.469208	91.903145	0	0	0	0
23	0	304.198887	466.233951	20.559783	97.752716	2	0
94	0	362.881922	346.339157	208.554865	551.473054	9	0
8	0	343.763951	426.09911	174.975026	218.040771	2	0
0	0					0	0
2	0	161.407027	85.17887	0	0	0	0
23	7	304.198887	466.233951	20.559783	97.752716	2	0
94	0	362.881922	346.339157	208.554865	551.473054	9	0
8	0	343.763951	426.09911	174.975026	218.040771	2	0
0	0					0	0
2	0	161.407027	85.17887	0	0	0	0
51	0	282.030194	535.488777	88.893922	334.002263	2	0
137	0	390.400225	547.732007	262.376964	700.057813	11	0
12	0	365.801571	592.868949	9.545216	18.391163	2	0
8	0	556.27881	742.929429	0	0	2	0
8	0	728.172194	977.564532	235.379464	597.166809	3	0
72	14	294.578418	477.468652	68.151356	283.863535	5	0
170	0	358.06198	501.253961	218.772219	639.405089	13	0
31	0	275.700128	385.985317	27.471138	87.529962	3	0
13	0	246.643072	317.115643	85.493269	222.963816	1	0
19	0	412.21302	671.955774	99.592368	390.947294	3	0
72	14	294.578418	477.468652	68.151356	283.863535	5	0
170	15	358.06198	501.253961	218.772219	639.405089	13	0
31	0	275.700128	385.985317	27.471138	87.529962	3	0
13	0	246.643072	317.115643	85.493269	222.963816	1	0
19	0	412.21302	671.955774	99.592368	390.947294	3	0
96	15	486.336742	602.787215	157.062216	414.092855	52	9
145	37	552.542891	658.86267	405.478815	855.719114	89	27
22	2	280.294681	179.089561	73.446383	230.858499	7	1
8	4	193.306299	131.519562	41.644241	52.979792	1	0
115	0	486.782284	579.163508	169.50397	471.115591	25	0

AnnotatedResults

164	0	567.769472	682.133311	387.467568	835.279516	39	0
28	0	225.832831	177.620777	67.508341	211.186671	1	0
12	0	520.977279	853.893591	79.694338	105.856355	2	0
115	0	486.782284	579.163508	169.50397	471.115591	25	0
164	9	567.769472	682.133311	387.467568	835.279516	39	9
28	8	225.832831	177.620777	67.508341	211.186671	1	1
12	0	520.977279	853.893591	79.694338	105.856355	2	0
125	0	653.074497	968.011788	238.408413	583.094668	24	0
126	0	467.722018	471.283962	493.41706	1091.98646	24	0
111	11	371.974744	728.859645	93.777315	242.345928	11	1
40	0	474.896903	949.846836	65.223153	226.68233	6	0
156	10	603.220719	907.921672	200.154971	531.802845	27	10
173	10	518.523117	615.373911	417.719129	992.734851	39	0
133	12	379.874243	746.152108	80.728503	227.214711	12	1
89	0	462.354324	935.623723	126.917577	261.103053	13	0
156	10	603.220719	907.921672	200.154971	531.802845	27	10
173	16	518.523117	615.373911	417.719129	992.734851	39	6
133	18	379.874243	746.152108	80.728503	227.214711	12	1
89	0	462.354324	935.623723	126.917577	261.103053	13	0
1	0	826.772727		414.978355		1	0
9	0	687.643567	1140.18699	0	0	3	0
164	85	561.57968	513.848001	298.887187	740.753157	125	73
161	70	685.916	717.612	441.633	760.061	119	59
1	0	826.772727		414.978355		1	0
23	0	437.418903	722.154211	10.12088	48.538037	2	0
199	0	536.685997	485.41399	283.228413	733.245087	53	0
173	19	699.500764	700.117592	450.432783	766.147441	62	18
1	0	826.772727		414.978355		1	0
23	0	437.418903	722.154211	10.12088	48.538037	2	0
199	26	536.685997	485.41399	283.228413	733.245087	53	14
173	26	699.500764	700.117592	450.432783	766.147441	62	25
5	0	267.375604	228.291387	92.483385	154.864925	1	0
17	0	568.404795	1083.68056	58.101053	149.836119	3	0
209	0	535.639766	501.97098	442.255646	997.91079	53	0
212	22	714.527176	785.875875	504.522381	923.383167	74	20
9	0	278.457825	206.075555	58.947221	117.177178	1	0
26	0	470.63536	888.900543	38.139051	123.093001	4	0
241	0	500.964622	480.224754	379.111589	939.188181	55	0
244	24	688.812914	785.714627	467.105317	907.699027	77	22
9	0	278.457825	206.075555	58.947221	117.177178	1	0
26	0	470.63536	888.900543	38.139051	123.093001	4	0
241	37	500.964622	480.224754	379.111589	939.188181	55	13
244	44	688.812914	785.714627	467.105317	907.699027	77	33
104	27	530.106506	433.320468	223.801879	649.326523	76	24
359	210	586.554	819.311	337.594	662.912	168	132
128	41	533.447531	357.722315	169.583122	570.228109	94	33
34	11	271.690271	204.125019	33.644812	79.790354	8	3
47	15	541.021853	549.492305	98.959972	283.512685	29	12
128	11	597.661649	584.103218	268.555068	726.238281	38	10
375	97	580.435823	826.749379	324.126504	645.872667	71	45
157	0	536.392788	374.557929	139.698828	509.900632	48	0
40	0	249.422329	179.932829	19.831497	48.979473	2	0
60	0	530.085184	724.638048	93.137941	238.911084	10	0
128	19	597.661649	584.103218	268.555068	726.238281	38	18
375	126	580.435823	826.749379	324.126504	645.872667	71	53
157	23	536.392788	374.557929	139.698828	509.900632	48	7
40	0	249.422329	179.932829	19.831497	48.979473	2	0
60	0	530.085184	724.638048	93.137941	238.911084	10	0

AnnotatedResults

163	20	553.155507	519.474217	368.656419	965.826511	47	19
364	88	609.084524	898.986134	328.228072	718.874889	69	47
171	0	518.460318	400.822336	196.356549	620.589266	45	0
83	0	232.01005	194.526753	65.652237	156.263033	7	0
138	0	557.103012	761.270318	97.335905	300.542566	22	0
179	20	539.516854	522.629513	332.519015	924.771071	48	19
405	89	588.649271	887.952368	302.901856	707.493238	71	48
198	0	491.607259	388.149189	173.487413	584.52662	49	0
96	0	254.887081	240.651955	56.547806	145.284147	8	0
163	0	535.811725	725.858944	86.413754	279.825086	29	0
179	28	539.516854	522.629513	332.519015	924.771071	48	22
405	126	588.649271	887.952368	302.901856	707.493238	71	59
198	18	491.607259	388.149189	173.487413	584.52662	49	5
96	0	254.887081	240.651955	56.547806	145.284147	8	0
163	16	535.811725	725.858944	86.413754	279.825086	29	10
121	20	198.620209	237.639916	50.542991	162.57072	21	2
50	15	306.168285	179.322491	99.67887	330.532088	21	4
0	0					0	0
26	2	346.234521	468.019479	41.076787	96.90659	10	0
125	0	194.945266	207.804082	37.397609	136.32166	6	0
68	11	344.217941	317.511335	162.978966	428.560481	7	0
2	0	913.479742	733.175407	353.913043	500.508626	1	0
37	0	255.46853	197.800147	54.738609	111.914044	4	0
125	0	194.945266	207.804082	37.397609	136.32166	6	0
68	11	344.217941	317.511335	162.978966	428.560481	7	0
2	0	913.479742	733.175407	353.913043	500.508626	1	0
37	0	255.46853	197.800147	54.738609	111.914044	4	0
116	0	236.65421	352.30868	54.07482	209.705152	8	0
76	10	409.227923	614.194494	66.810793	250.329442	10	0
4	0	1242.65911	1692.35518	6.75	13.5	2	0
11	0	575.678242	960.273673	47.280933	135.399268	2	0
151	0	210.775699	316.6845	47.449872	189.569843	8	0
108	11	426.99993	600.690738	105.374607	355.15624	16	0
9	0	976.752009	1169.17612	54.056509	92.963975	4	0
33	0	341.77615	585.05051	34.33883	97.58155	3	0
151	6	210.775699	316.6845	47.449872	189.569843	8	0
108	11	426.99993	600.690738	105.374607	355.15624	16	0
9	0	976.752009	1169.17612	54.056509	92.963975	4	0
33	0	341.77615	585.05051	34.33883	97.58155	3	0
8	3	296.821671	139.524768	1243.63263	1219.38667	4	1
54	18	448.441126	561.955665	125.157176	752.801151	29	10
0	0					0	0
3	0	398.084	411.753	33.4458	57.9298	2	0
8	0	214.691187	67.333299	448.204751	596.255719	0	0
54	0	460.374729	579.45051	267.419878	1103.77076	8	0
2	0	1065.25	1366.34	590.977	749	1	0
4	0	100.658088	79.632497	23.931034	47.862069	0	0
8	0	214.691187	67.333299	448.204751	596.255719	0	0
54	6	460.374729	579.45051	267.419878	1103.77076	8	0
2	0	1065.25488	1366.33554	590.976829	749.000271	1	0
4	0	100.658088	79.632497	23.931034	47.862069	0	0
10	0	389.638532	141.938169	932.004232	1432.68236	1	0
11	0	714.380862	853.084123	58.622973	189.29445	3	0
7	0	433.727455	411.843294	287.811305	601.993256	1	0
19	0	435.450002	906.419309	57.950805	94.073058	3	0
23	0	449.471557	576.396689	673.835529	1123.31747	2	0
19	0	582.36386	732.163167	170.56624	532.189946	4	0
21	0	323.22173	337.630724	199.403464	393.264675	2	0

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32	0	412.682052	797.651917	66.615245	108.216705	5	0
23	0	449.471557	576.396689	673.835529	1123.31747	2	0
19	0	582.36386	732.163167	170.56624	532.189946	4	0
21	0	323.22173	337.630724	199.403464	393.264675	2	0
32	0	412.682052	797.651917	66.615245	108.216705	5	0
0	0					0	0
1	0	122.375		0		0	0
1	0	122.375		0		0	0
7	0	115.736008	111.91359	98.398455	137.069602	0	0
12	0	159.285419	169.178667	96.879773	141.744958	0	0
12	0	159.285419	169.178667	96.879773	141.744958	0	0
121	53	518.854705	825.044449	188.467026	573.162035	73	35
157	60	985.841154	588.438751	208.830011	706.505503	148	60
34	4	279.005664	252.303676	38.311732	96.334278	11	0
21	0	248.49522	200.741142	8.54772	20.979979	4	0
26	2	606.539117	1198.54283	366.268328	1164.28101	5	2
131	10	537.240254	833.769516	193.769089	590.360678	22	0
176	0	970.530332	584.283808	209.723877	693.587715	129	0
53	0	254.386518	218.695609	25.424631	79.512435	3	0
20	0	320.366022	259.093577	1.111111	4.96904	2	0
36	0	449.986393	1038.06477	146.532579	731.992682	3	0
131	10	537.240254	833.769516	193.769089	590.360678	22	0
176	19	970.530332	584.283808	209.723877	693.587715	129	15
53	0	254.386518	218.695609	25.424631	79.512435	3	0
20	0	320.366022	259.093577	1.111111	4.96904	2	0
36	0	449.986393	1038.06477	146.532579	731.992682	3	0
127	10	494.233816	595.140568	113.478107	394.724137	21	0
224	11	840.717363	481.955279	286.874464	870.671837	142	9
68	0	243.151418	231.113809	23.505501	111.372492	3	0
53	0	245.987454	235.731607	7.091538	29.36986	4	0
42	0	362.237367	665.092134	82.168017	254.889863	4	0
136	0	493.90836	580.054797	113.422998	385.968141	23	0
257	23	806.913786	479.228845	264.212965	831.507395	156	16
94	0	226.438859	194.159192	22.162654	99.081185	4	0
81	0	280.409113	333.821076	9.667211	35.115574	9	0
53	0	339.715824	610.326321	84.437192	277.932881	5	0
136	9	493.90836	580.054797	113.422998	385.968141	23	0
257	53	806.913786	479.228845	264.212965	831.507395	156	33
94	6	226.438859	194.159192	22.162654	99.081185	4	0
81	0	280.409113	333.821076	9.667211	35.115574	9	0
53	0	339.715824	610.326321	84.437192	277.932881	5	0
126	41	308.918594	529.327792	107.293892	285.763392	35	7
82	16	547.494238	626.446073	321.110198	688.923179	48	10
67	5	229.832658	409.570108	28.255193	87.135291	10	0
33	5	215.741566	235.361776	48.90947	101.42466	8	3
13	3	476.059855	551.601521	201.729022	207.394586	6	2
134	0	336.00183	572.030149	109.099371	289.884069	12	0
105	0	652.124494	758.510094	395.22743	790.785025	30	0
71	0	203.064515	361.287344	27.915085	91.573803	5	0
43	0	157.637952	181.1038	67.351825	120.860217	1	0
16	0	370.745	426.856	160.002	196.842	4	0
134	0	336.00183	572.030149	109.099371	289.884069	12	0
105	9	652.124494	758.510094	395.22743	790.785025	30	0
71	0	203.064515	361.287344	27.915085	91.573803	5	0
43	0	157.637952	181.1038	67.351825	120.860217	1	0
16	0	370.7449	426.855757	160.002306	196.841968	4	0
163	0	367.688379	538.08922	110.28363	379.605013	18	0
97	0	499.588423	411.19535	265.980317	775.176976	25	0

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131	0	253.453891	465.946124	39.660856	126.282077	11	0
47	0	230.392208	363.049161	118.475369	292.971511	5	0
33	0	201.303579	300.578077	163.18817	283.141912	2	0
186	0	371.702497	563.220418	102.223449	362.809145	20	0
145	0	528.481855	576.987627	279.660388	774.419679	33	0
165	0	245.640418	478.869247	33.675046	112.085149	14	0
82	0	327.49696	476.618174	90.689265	237.17387	12	0
42	0	205.467557	277.830482	130.86531	259.257646	2	0
186	0	371.702497	563.220418	102.223449	362.809145	20	0
145	14	528.481855	576.987627	279.660388	774.419679	33	2
165	0	245.640418	478.869247	33.675046	112.085149	14	0
82	0	327.49696	476.618174	90.689265	237.17387	12	0
42	0	205.467557	277.830482	130.86531	259.257646	2	0
4	0	2357.04186	2207.74667	315.027671	417.295041	3	0
8	0	524.863745	665.153293	277.819517	664.106096	3	0
86	22	183.866	219.272	69.6737	205.701	11	4
0	0					0	0
9	0	2569.11092	2135.48836	385.631386	355.488603	6	0
9	0	475.727672	638.316076	247.43591	627.818046	3	0
95	0	173.984061	209.674367	84.805587	230.8922	5	0
1	0	586.664634		587.957317		0	0
9	0	2569.11092	2135.48836	385.631386	355.488603	6	0
9	0	475.727672	638.316076	247.43591	627.818046	3	0
95	7	173.984061	209.674367	84.805587	230.8922	5	1
1	0	586.664634		587.957317		0	0
0	0					0	0
13	0	178.837209	153.53192	19.190221	60.324728	1	0
67	0	209.678476	313.701403	88.153311	192.933939	4	0
4	0	363.298568	178.505398	10.214758	20.429515	0	0
7	0	697.385762	583.902542	85.386173	225.488667	3	0
31	0	191.558594	144.626606	42.479121	162.263435	1	0
118	0	206.717188	266.580064	79.545624	186.662955	8	0
5	0	348.11314	158.275453	8.171806	18.272714	0	0
7	0	697.385762	583.902542	85.386173	225.488667	3	0
31	0	191.558594	144.626606	42.479121	162.263435	1	0
118	0	206.717188	266.580064	79.545624	186.662955	8	0
5	0	348.11314	158.275453	8.171806	18.272714	0	0
3906	3193	116.85729	72.274276	1.575631	33.6286	35	22
3563	2565	166.737602	73.776837	1.165205	12.272567	183	130
1487	892	154.512411	100.310505	1.711156	14.48847	69	41
4130	305	117.66368	72.480776	1.52259	32.656404	11	0
3778	757	165.907533	73.387674	1.227383	13.461626	2	0
1612	165	154.041702	103.538466	1.88115	14.858503	9	0
4130	624	117.66368	72.480776	1.52259	32.656404	11	0
3778	1299	165.907533	73.387674	1.227383	13.461626	2	0
1612	270	154.041702	103.538466	1.88115	14.858503	9	0
3690	139	116.164086	73.105645	2.709757	52.98993	7	0
2778	360	174.142353	74.942169	1.018302	18.796348	2	0
2356	211	151.41128	92.915172	2.729136	20.178247	12	0
3701	138	116.125845	73.271359	2.72352	53.356168	7	0
2778	360	174.142353	74.942169	1.018302	18.796348	2	0
2673	308	148.961912	91.038473	2.574962	19.457458	13	0
3701	388	116.125845	73.271359	2.72352	53.356168	7	0
2778	671	174.142353	74.942169	1.018302	18.796348	2	0
2673	572	148.961912	91.038473	2.574962	19.457458	13	1
11	0	295.272713	238.761356	23.104906	54.780993	4	0
4	0	675.844247	703.622224	72.819188	145.638376	2	0
6	0	206.133603	77.630864	0	0	1	0

AnnotatedResults

6	0	439.721537	366.066837	16.770571	20.72176	3	0
11	0	172.074516	99.724057	0	0	0	0
5	0	557.821184	664.048487	58.255351	130.262924	2	0
10	0	165.115704	70.502014	182.095895	575.83778	0	0
16	0	348.958924	312.17149	6.559035	14.711158	3	0
11	0	172.074516	99.724057	0	0	0	0
5	0	557.821184	664.048487	58.255351	130.262924	2	0
10	0	165.115704	70.502014	182.095895	575.83778	0	0
16	0	348.958924	312.17149	6.559035	14.711158	3	0
7	0	519.285534	625.686798	1.570898	4.156204	2	0
3	0	310.722448	113.637278	3.878626	5.437766	0	0
55	0	240.557703	142.972349	327.342915	731.232228	3	0
23	0	251.755284	220.476444	7.508616	18.662272	2	0
16	0	363.139288	452.03053	21.477461	58.089721	2	0
9	0	346.951295	350.702849	14.828778	40.258711	2	0
81	0	271.376553	298.663241	329.860274	722.500452	5	0
42	0	262.691596	326.956188	7.814828	22.654804	3	0
16	0	363.139288	452.03053	21.477461	58.089721	2	0
9	0	346.951295	350.702849	14.828778	40.258711	2	0
81	6	271.376553	298.663241	329.860274	722.500452	5	0
42	0	262.691596	326.956188	7.814828	22.654804	3	0
152	21	232.817482	137.579491	7.132764	43.831784	36	9
173	63	223.0757	171.250123	2.499791	21.467866	36	11
136	32	242.974432	150.714375	2.019745	18.991481	39	9
314	95	209.59358	128.428837	2.836672	16.982995	55	9
213	0	235.218512	161.676937	6.031937	41.702271	7	0
192	0	212.345462	155.213445	3.229971	22.203508	5	0
146	0	240.736185	152.642544	1.879728	18.331854	5	0
351	0	210.922627	129.421175	1.774092	14.274845	6	0
213	12	235.218512	161.676937	6.031937	41.702271	7	0
192	0	212.345462	155.213445	3.229971	22.203508	5	0
146	6	240.736185	152.642544	1.879728	18.331854	5	0
351	13	210.922627	129.421175	1.774092	14.274845	6	2
81	0	241.046346	189.739483	4.835809	30.343003	5	0
184	0	221.079139	156.776375	1.579087	8.836319	4	0
69	0	275.659649	264.520463	25.405516	104.982513	4	0
273	0	208.673727	131.85483	4.789595	29.820911	5	0
103	0	250.36231	242.120592	6.588193	36.867336	6	0
205	0	217.627133	155.800082	1.37362	7.9756	5	0
92	0	277.54294	291.378614	33.123298	157.977617	6	0
292	0	207.628346	130.711621	4.577066	28.880966	5	0
103	0	250.36231	242.120592	6.588193	36.867336	6	0
205	12	217.627133	155.800082	1.37362	7.9756	5	0
92	0	277.54294	291.378614	33.123298	157.977617	6	0
292	0	207.628346	130.711621	4.577066	28.880966	5	0
8	2	323.166909	222.085258	41.155491	69.586888	3	1
15	0	303.874375	484.516158	98.925713	274.455075	3	0
40	7	418.632242	679.356703	108.437213	266.483234	11	3
0	0					0	0
10	0	582.726344	1005.25528	22.369737	43.383842	2	0
29	0	161.793171	120.025071	106.891445	263.451136	0	0
46	0	400.26229	661.45708	137.26181	296.60909	8	0
0	0					0	0
10	0	582.726344	1005.25528	22.369737	43.383842	2	0
29	0	161.793171	120.025071	106.891445	263.451136	0	0
46	0	400.26229	661.45708	137.26181	296.60909	8	0
0	0					0	0
12	0	633.204088	862.480583	42.399261	69.20669	4	0

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59	0	258.036233	293.812211	125.454509	381.845577	4	0
42	0	304.970524	486.224175	41.544252	95.030074	5	0
3	0	439.517506	573.095202	69.936903	84.730852	1	0
25	0	808.924786	1150.35928	100.625032	222.223848	7	0
79	0	207.21426	189.312809	105.654953	341.814429	2	0
74	0	402.178765	709.471448	33.263353	80.941902	10	0
5	0	285.710504	457.619568	131.075186	188.186734	1	0
25	0	808.924786	1150.35928	100.625032	222.223848	7	0
79	0	207.21426	189.312809	105.654953	341.814429	2	0
74	6	402.178765	709.471448	33.263353	80.941902	10	0
5	0	285.710504	457.619568	131.075186	188.186734	1	0
519	257	605.896527	923.275499	571.431487	926.430676	258	177
258	84	457.790522	741.111486	303.126922	547.43577	94	27
320	149	271.495658	479.68889	69.894919	128.345749	65	37
559	127	611.762863	942.409003	557.677971	907.62472	113	60
269	12	453.166129	728.589955	301.547881	540.818029	36	3
326	44	272.067647	477.819736	70.576264	126.68736	31	9
559	156	611.762863	942.409003	557.677971	907.62472	113	64
269	37	453.166129	728.589955	301.547881	540.818029	36	5
326	72	272.067647	477.819736	70.576264	126.68736	31	15
631	149	680.525142	992.245194	783.912061	1245.01779	154	77
267	14	405.083897	655.921736	339.657317	651.499902	32	2
249	13	302.630366	473.403187	81.497694	162.344474	30	5
701	167	658.357462	973.407695	738.564749	1219.12326	166	84
321	11	378.695991	626.99484	309.093579	618.022133	35	1
309	14	310.941509	501.310278	83.890888	168.317108	37	5
701	236	658.357462	973.407695	738.564749	1219.12326	166	104
321	33	378.695991	626.99484	309.093579	618.022133	35	3
309	42	310.941509	501.310278	83.890888	168.317108	37	13
93	29	533.936619	750.361309	197.790677	494.370623	56	15
197	99	816.122019	1145.07916	470.257028	711.965116	111	69
173	60	773.268379	1066.54303	394.854435	713.587754	99	42
242	102	499.608866	507.635973	304.450835	628.211566	136	67
64	13	263.047874	304.705253	38.936197	122.879451	17	3
113	10	730.021921	1049.59938	231.595271	499.856586	22	10
231	80	852.320322	1201.63182	485.303518	768.490636	70	50
187	12	753.651272	1025.65143	360.038749	698.727405	49	0
262	10	475.056574	460.219054	309.387919	633.461429	56	0
60	0	298.548595	426.145807	52.65803	146.766766	7	0
113	10	730.021921	1049.59938	231.595271	499.856586	22	10
231	80	852.320322	1201.63182	485.303518	768.490636	70	50
187	27	753.651272	1025.65143	360.038749	698.727405	49	15
262	57	475.056574	460.219054	309.387919	633.461429	56	21
60	0	298.548595	426.145807	52.65803	146.766766	7	0
111	0	639.70344	980.475322	453.412942	888.893612	22	0
229	57	880.657242	1282.02448	592.281061	1123.69368	65	45
215	15	843.311608	1184.54435	598.501058	962.727423	66	0
258	10	464.604638	488.679684	408.752185	854.360736	53	4
63	0	267.02762	333.22854	28.50334	89.731971	5	0
134	0	588.845829	925.401637	367.577676	808.839125	23	0
263	58	830.528862	1225.36229	522.464367	1074.21134	73	46
253	25	787.378184	1122.0288	574.108476	935.058629	74	1
303	42	461.179959	506.77244	361.535786	806.358949	64	6
92	0	253.609444	318.585943	34.817613	105.845238	6	0
134	15	588.845829	925.401637	367.577676	808.839125	23	9
263	71	830.528862	1225.36229	522.464367	1074.21134	73	46
253	53	787.378184	1122.0288	574.108476	935.058629	74	17
303	77	461.179959	506.77244	361.535786	806.358949	64	14

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92	0	253.609444	318.585943	34.817613	105.845238	6	0
255	140	971.197054	1122.45409	647.603205	937.895154	193	125
66	10	386.482198	769.450251	56.255805	254.070564	15	0
113	20	220.189055	198.089524	10.58587	78.457513	23	4
97	47	566.66607	884.944559	277.696289	668.94026	59	33
278	61	952.473698	1100.77304	619.250973	919.105777	115	53
65	0	290.115934	461.411563	61.194401	258.564888	5	0
144	0	227.680634	211.496005	13.401941	81.728917	5	0
103	0	544.293568	875.570003	263.235124	652.776983	16	0
278	88	952.473698	1100.77304	619.250973	919.105777	115	68
65	0	290.115934	461.411563	61.194401	258.564888	5	0
144	0	227.680634	211.496005	13.401941	81.728917	5	0
103	7	544.293568	875.570003	263.235124	652.776983	16	1
293	84	899.309969	1067.16272	750.327998	1078.28602	115	66
105	0	264.903188	388.358987	38.74107	162.203588	8	0
179	0	234.805805	273.663695	15.920821	107.532292	9	0
139	0	512.76972	715.448539	322.682699	888.612057	29	0
325	88	844.640063	1036.92519	707.022081	1052.52056	116	67
117	0	262.531711	390.978532	35.491168	153.801079	8	0
208	0	221.764716	252.839022	15.091934	100.98668	8	0
161	0	468.558754	675.469649	280.32963	831.62619	30	0
325	125	844.640063	1036.92519	707.022081	1052.52056	116	74
117	9	262.531711	390.978532	35.491168	153.801079	8	0
208	0	221.764716	252.839022	15.091934	100.98668	8	0
161	26	468.558754	675.469649	280.32963	831.62619	30	7
163	57	234.245578	290.887748	28.020469	116.191554	36	11
188	76	316.567013	509.170744	39.261954	120.378764	46	12
150	54	294.020743	494.583584	35.459109	102.620669	40	13
439	275	1124.08172	1540.55628	565.589949	856.815945	269	202
187	0	226.434444	243.550161	26.590065	113.027016	12	0
180	0	315.490183	511.966197	36.820207	116.368063	22	0
164	0	249.231726	413.314818	29.021131	93.729764	10	0
492	236	1081.5431	1501.41714	532.639358	828.911704	164	134
187	0	226.434444	243.550161	26.590065	113.027016	12	0
180	0	315.490183	511.966197	36.820207	116.368063	22	0
164	12	249.231726	413.314818	29.021131	93.729764	10	1
492	265	1081.5431	1501.41714	532.639358	828.911704	164	134
149	0	290.949862	512.977575	60.063881	254.52432	10	0
170	0	358.524075	615.819675	69.829052	262.072333	22	0
168	0	304.227321	466.933566	26.203555	91.174298	18	0
480	235	934.872291	1218.65207	762.547622	1134.31864	151	114
191	0	259.074105	412.38426	35.935878	122.630088	13	0
205	0	381.036619	701.415753	59.196587	231.811682	28	0
192	0	321.891893	506.511401	31.569033	110.662035	23	0
529	257	893.309186	1191.66739	708.423585	1112.01684	163	130
191	0	259.074105	412.38426	35.935878	122.630088	13	0
205	0	381.036619	701.415753	59.196587	231.811682	28	0
192	19	321.891893	506.511401	31.569033	110.662035	23	3
529	303	893.309186	1191.66739	708.423585	1112.01684	163	131
77	9	310.489819	224.741795	119.804179	410.25189	29	4
31	0	393.227554	353.871346	95.778166	167.245583	14	0
49	8	273.279347	374.209742	36.4651	78.16472	14	0
45	0	252.901165	235.668756	82.238838	236.378068	13	0
94	0	319.77408	358.505733	113.146209	393.528244	5	0
39	0	319.470648	323.864848	108.494314	263.519572	5	0
52	0	258.535	356.834	30.0237	69.0436	6	0
40	0	252.245111	243.12218	31.115432	117.12454	4	0
94	0	319.77408	358.505733	113.146209	393.528244	5	0

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39	0	319.470648	323.864848	108.494314	263.519572	5	0
52	0	258.534727	356.834317	30.023679	69.043558	6	0
40	0	252.245111	243.12218	31.115432	117.12454	4	0
93	0	362.273017	401.534697	246.362844	756.467721	9	0
59	0	311.229716	316.808753	112.8196	274.567351	7	0
79	0	271.80643	435.875553	53.362272	209.027358	6	0
99	0	290.91431	315.662631	42.490508	141.983818	13	0
106	0	340.239635	382.314021	205.240381	697.599841	9	0
79	0	281.922503	293.598276	83.192394	217.255008	8	0
106	0	251.822286	391.470686	44.782077	182.136615	8	0
212	0	293.229752	304.298719	32.409221	122.731851	28	0
106	7	340.239635	382.314021	205.240381	697.599841	9	3
79	8	281.922503	293.598276	83.192394	217.255008	8	0
106	0	251.822286	391.470686	44.782077	182.136615	8	0
212	0	293.229752	304.298719	32.409221	122.731851	28	0
130	47	560.606112	481.305156	628.181662	1119.54391	91	39
74	11	353.340908	289.710374	167.348046	449.417052	34	8
36	3	245.62466	297.523248	5.837011	24.024981	6	0
72	30	695.112204	981.110459	87.625822	238.783909	30	19
159	17	578.8561	508.484713	540.651721	1065.52884	50	13
92	0	359.392997	271.983683	341.262121	753.4034	13	0
41	0	283.968481	336.381762	6.758782	23.478925	3	0
78	20	658.568509	955.381159	78.70233	207.018059	19	16
159	29	578.8561	508.484713	540.651721	1065.52884	50	16
92	6	359.392997	271.983683	341.262121	753.4034	13	2
41	0	283.968481	336.381762	6.758782	23.478925	3	0
78	20	658.568509	955.381159	78.70233	207.018059	19	16
38165							
89	0	451.433593	733.511061	311.415613	816.934941	13	0
35	0	272.810252	318.55377	9.413327	33.471869	2	0
75	13	516.938128	784.394934	121.500008	304.120049	16	11
38165							
101	0	489.899638	923.85653	319.559561	801.7479	13	0
63	0	247.148171	305.933854	6.397322	24.76692	6	0
88	14	487.643719	755.657782	105.130101	268.548223	17	12
38165							
101	0	489.899638	923.85653	319.559561	801.7479	13	0
63	0	247.148171	305.933854	6.397322	24.76692	6	0
88	14	487.643719	755.657782	105.130101	268.548223	17	12
248	144	206.03364	280.400903	218.564578	259.107753	47	16
187	92	233.379	334.738	323.313	335.163	49	21
352	181	310.09903	311.304344	392.211186	437.394111	142	85
267	14	215.176405	281.489753	213.061832	255.922089	22	0
226	59	215.717226	309.624083	282.376945	317.948623	17	2
358	120	298.745685	301.467106	379.762727	431.318018	44	17
267	38	215.176405	281.489753	213.061832	255.922089	22	0
226	72	215.717226	309.624083	282.376945	317.948623	17	2
358	135	298.745685	301.467106	379.762727	431.318018	44	17
205	13	227.179088	347.557385	340.026494	356.064969	18	0
212	53	256.015303	307.455247	404.31258	415.045157	31	1
228	113	359.905552	333.159733	590.805879	532.924579	39	14
219	13	232.741754	356.663895	330.823169	355.194332	20	0
308	59	264.51989	328.523575	364.330946	397.649722	41	1
287	108	343.251087	325.381532	534.201635	510.24173	41	13
219	35	232.741754	356.663895	330.823169	355.194332	20	0
308	74	264.51989	328.523575	364.330946	397.649722	41	1
287	131	343.251087	325.381532	534.201635	510.24173	41	15
96	23	257.921832	327.275144	43.189136	159.38364	23	6

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79	20	431.058	623.119	89.9392	342.854	33	11
6	3	220.039655	406.535729	2175.90206	2458.64984	1	0
64	10	325.351449	621.865371	27.405387	149.551135	20	3
100	0	279.803401	323.53929	46.271352	203.424924	6	0
87	0	475.037055	664.212113	109.293005	353.726904	11	0
8	0	186.463559	348.535622	1590.1495	2248.27494	1	0
73	0	288.277747	581.912887	25.999352	141.001306	4	0
100	8	279.803401	323.53929	46.271352	203.424924	6	0
87	0	475.037055	664.212113	109.293005	353.726904	11	0
8	0	186.463559	348.535622	1590.1495	2248.27494	1	0
73	0	288.277747	581.912887	25.999352	141.001306	4	0
173	19	247.57956	293.268788	65.510795	157.810792	9	0
44	0	547.300269	759.292834	141.880632	512.096634	9	0
7	0	318.781193	181.165347	9.418182	24.918167	0	0
66	0	319.743258	543.675463	23.442776	135.028536	6	0
210	18	258.344148	307.486024	63.197267	154.238574	13	0
73	0	538.014751	712.316477	126.741812	469.418782	14	0
16	0	253.671972	227.981703	18.217246	44.856437	1	0
88	0	294.371305	483.991915	18.462547	117.359073	8	0
210	27	258.344148	307.486024	63.197267	154.238574	13	1
73	0	538.014751	712.316477	126.741812	469.418782	14	0
16	0	253.671972	227.981703	18.217246	44.856437	1	0
88	0	294.371305	483.991915	18.462547	117.359073	8	0
242	96	337.733525	289.320849	119.963768	357.97435	106	39
158	54	207.021302	307.656357	89.920804	171.302564	31	11
161	40	335.681314	314.846228	80.332028	276.577563	68	15
9	0	467.755585	501.003967	267.379362	424.050999	5	0
55	2	267.288421	547.669749	16.318393	53.81296	10	0
265	0	321.929245	266.228864	104.060242	298.294177	23	0
186	19	196.379312	274.694541	79.515076	166.764968	7	0
196	0	351.581013	381.963337	83.060493	270.690894	21	0
21	0	356.710865	361.386617	140.55865	338.161579	2	0
58	0	247.718169	534.032302	42.122299	135.509023	2	0
265	36	321.929245	266.228864	104.060242	298.294177	23	2
186	25	196.379312	274.694541	79.515076	166.764968	7	0
196	0	351.581013	381.963337	83.060493	270.690894	21	0
21	0	356.710865	361.386617	140.55865	338.161579	2	0
58	0	247.718169	534.032302	42.122299	135.509023	2	0
300	0	333.029295	345.285598	133.89938	403.15935	35	0
208	34	205.002544	344.870575	112.561583	218.445597	12	0
211	0	337.956228	364.953719	101.277094	328.223339	21	0
51	0	218.087903	218.235368	121.674866	336.264502	4	0
65	0	366.782814	591.964761	24.66198	107.862566	6	0
346	0	328.179032	336.603829	118.887182	368.367524	37	0
237	33	230.339404	401.229133	102.639383	212.345773	15	0
257	0	324.421276	342.231948	86.738754	300.309602	23	0
62	0	252.667448	317.745285	111.161771	309.63453	6	0
103	0	429.74626	793.687047	17.907153	87.673512	12	0
346	36	328.179032	336.603829	118.887182	368.367524	37	1
237	39	230.339404	401.229133	102.639383	212.345773	15	0
257	7	324.421276	342.231948	86.738754	300.309602	23	2
62	7	252.667448	317.745285	111.161771	309.63453	6	2
103	0	429.74626	793.687047	17.907153	87.673512	12	0
0	0					0	0
3	2	1868.52933	1347.47088	1764.16484	1528.18533	3	2
5	0	92.816121	34.406711	0	0	0	0
17	0	213.583736	134.347912	132.644386	502.425346	3	0
26	2	570.282002	989.890061	161.167421	735.236461	9	0

AnnotatedResults

6	0	144.346848	103.435617	0	0	0	0
11	0	1167.77441	1174.04671	1400.33203	1239.94078	5	0
2	0	65.883621	33.77654	0	0	0	0
22	0	242.200087	119.579012	386.518427	729.228829	0	0
32	0	582.737369	1021.74893	148.814184	666.125467	6	0
6	0	144.346848	103.435617	0	0	0	0
11	0	1167.77441	1174.04671	1400.33203	1239.94078	5	0
2	0	65.883621	33.77654	0	0	0	0
22	0	242.200087	119.579012	386.518427	729.228829	0	0
32	0	582.737369	1021.74893	148.814184	666.125467	6	0
6	0	286.098931	240.852769	2.521905	3.916561	1	0
4	0	2315.4219	1919.10129	2266.90287	1956.19009	3	0
5	0	416.153787	456.618597	17.911765	40.051923	2	0
59	0	314.396498	523.15736	316.172827	719.416995	6	0
31	0	569.395964	955.991817	129.235488	647.789229	4	0
17	0	417.690044	598.520899	1.939711	4.433706	3	0
5	0	1838.74077	1857.46492	1782.79752	1899.82523	3	0
10	0	281.78567	346.003926	11.762189	28.72248	2	0
95	0	307.227927	528.105123	280.713288	631.656704	9	0
60	0	487.806452	799.929009	75.254019	468.23253	10	0
17	0	417.690044	598.520899	1.939711	4.433706	3	0
5	0	1838.74077	1857.46492	1782.79752	1899.82523	3	0
10	0	281.78567	346.003926	11.762189	28.72248	2	0
95	6	307.227927	528.105123	280.713288	631.656704	9	1
60	0	487.806452	799.929009	75.254019	468.23253	10	0
0	0					0	0
59	13	483.312254	678.755717	169.35192	410.078243	31	11
0	0					0	0
6	0	265.887439	233.281116	3.72434	5.334905	1	0
3	0	181.667639	96.143312	0	0	0	0
55	0	517.330686	890.716036	159.307162	412.280774	9	0
3	0	227.449286	75.302191	0	0	0	0
5	0	297.290927	246.229072	4.469208	5.604935	1	0
3	0	181.667639	96.143312	0	0	0	0
55	0	517.330686	890.716036	159.307162	412.280774	9	0
3	0	227.449286	75.302191	0	0	0	0
5	0	297.290927	246.229072	4.469208	5.604935	1	0
13	0	268.420455	261.484396	0.506173	1.825032	2	0
108	0	432.188232	523.744787	188.944355	539.262231	17	0
6	0	323.513062	236.311204	0	0	1	0
6	0	215.596434	240.596712	27.351277	41.679057	1	0
30	0	264.753115	373.599742	2.539372	8.940912	3	0
131	0	449.36763	600.352864	183.332449	500.154339	20	0
8	0	290.416856	209.341688	0.248322	0.702361	1	0
14	0	203.314983	187.720934	15.064833	29.996954	1	0
30	0	264.753115	373.599742	2.539372	8.940912	3	0
131	6	449.36763	600.352864	183.332449	500.154339	20	0
8	0	290.416856	209.341688	0.248322	0.702361	1	0
14	0	203.314983	187.720934	15.064833	29.996954	1	0
1	0	157.492823		4.421053		0	0
3	0	299.324972	117.05307	0	0	1	0
0	0					0	0
2	0	117.760417	101.572943	0	0	0	0
2	0	507.969396	496.191524	84.689573	113.576094	1	0
5	0	418.829789	520.655587	0.110448	0.246969	1	0
0	0					0	0
3	0	162.199856	106.422795	0	0	0	0
2	0	507.969396	496.191524	84.689573	113.576094	1	0

AnnotatedResults

5	0	418.829789	520.655587	0.110448	0.246969	1	0
0	0					0	0
3	0	162.199856	106.422795	0	0	0	0
4	0	456.556137	368.643106	120.795761	142.609746	2	0
7	0	437.161557	480.260658	0	0	2	0
12	0	379.247803	670.895887	0.687046	2.379996	2	0
7	0	123.069754	121.225241	19.889822	32.444164	0	0
9	0	547.363775	816.71967	69.557592	109.417809	3	0
23	0	238.442042	289.010663	0	0	2	0
26	0	375.932524	572.349951	8.44453	32.532067	6	0
25	0	166.730841	126.907822	9.084987	23.911967	0	0
9	0	547.363775	816.71967	69.557592	109.417809	3	0
23	0	238.442042	289.010663	0	0	2	0
26	0	375.932524	572.349951	8.44453	32.532067	6	0
25	0	166.730841	126.907822	9.084987	23.911967	0	0
65	7	298.502283	474.892745	41.581005	193.146172	16	0
69	10	261.721565	329.803511	80.63426	267.164729	16	3
119	31	325.061442	369.337317	310.54151	652.952403	40	22
49	14	181.054552	142.877744	36.160331	106.340739	9	3
275	115	173.503559	183.437364	108.224204	194.098713	33	11
67	0	272.560066	445.860636	23.672342	103.567014	4	0
78	0	261.070884	315.455195	64.827628	249.845816	5	0
121	13	308.086544	360.726012	305.321967	652.01313	16	5
65	0	186.133225	129.262365	23.265675	64.606605	0	0
284	0	174.538723	185.373706	109.110251	191.478298	7	0
67	0	272.560066	445.860636	23.672342	103.567014	4	0
78	0	261.070884	315.455195	64.827628	249.845816	5	0
121	21	308.086544	360.726012	305.321967	652.01313	16	5
65	8	186.133225	129.262365	23.265675	64.606605	0	0
284	56	174.538723	185.373706	109.110251	191.478298	7	2
75	0	236.369014	303.064233	14.62609	46.948181	4	0
85	0	264.512854	381.284586	71.281024	268.524227	7	0
125	0	279.847508	354.957472	351.830359	795.459001	9	0
120	0	184.698363	138.74514	32.20227	97.659057	3	0
204	38	171.822829	169.277622	185.634358	287.268358	4	1
105	0	233.01391	273.788726	21.063368	81.578827	6	0
100	0	273.454813	403.649776	76.041429	274.28822	8	0
147	11	276.442564	337.944302	308.707792	730.819559	11	2
142	0	196.206327	204.489142	40.599424	126.17546	4	0
243	45	167.628177	146.022463	155.519798	263.16867	3	1
105	0	233.01391	273.788726	21.063368	81.578827	6	0
100	0	273.454813	403.649776	76.041429	274.28822	8	0
147	11	276.442564	337.944302	308.707792	730.819559	11	2
142	8	196.206327	204.489142	40.599424	126.17546	4	1
243	59	167.628177	146.022463	155.519798	263.16867	3	1
117	39	357.419911	425.468553	7.373836	32.652508	44	16
129	44	295.659172	388.772358	83.074597	232.354735	38	12
166	42	449.521207	644.611526	58.397354	248.997556	78	23
121	46	518.135525	645.24638	179.780038	543.458167	71	28
123	0	366.276846	427.829534	7.004843	31.683464	19	0
136	0	307.250615	440.109572	83.375742	230.070983	15	0
190	10	459.011499	670.621963	43.830553	209.377885	26	7
179	41	487.423636	559.987776	166.576029	490.683555	39	11
123	0	366.276846	427.829534	7.004843	31.683464	19	0
136	9	307.250615	440.109572	83.375742	230.070983	15	1
190	24	459.011499	670.621963	43.830553	209.377885	26	10
179	47	487.423636	559.987776	166.576029	490.683555	39	11
154	0	389.904133	585.048133	10.580745	70.041466	22	0

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163	0	269.375919	395.448389	105.158391	273.586834	14	0
211	22	515.409213	801.81269	104.854917	359.94625	29	10
175	30	490.316368	633.976587	261.689063	702.091202	37	9
184	0	342.044967	520.814075	16.104915	76.26519	20	0
182	0	264.133477	382.079379	97.376446	262.168627	14	0
261	22	478.776929	739.945213	87.947365	329.124	34	10
224	30	447.637074	575.477585	214.364796	631.196896	38	7
184	0	342.044967	520.814075	16.104915	76.26519	20	0
182	14	264.133477	382.079379	97.376446	262.168627	14	2
261	42	478.776929	739.945213	87.947365	329.124	34	13
224	48	447.637074	575.477585	214.364796	631.196896	38	10
36	19	501.764221	244.66448	3.448637	13.161743	27	14
172	62	773.076868	1149.35603	339.419984	777.550947	100	48
144	30	435.145	325.358	58.2083	254.624	83	15
121	36	680.10787	784.543464	247.655094	629.403749	99	33
57	12	228.799904	221.362699	22.248669	73.892989	13	2
42	0	463.157807	257.736148	2.155671	10.534364	11	0
175	21	847.504635	1216.85228	356.979396	807.026118	42	10
168	17	478.023101	446.114329	69.130881	260.813625	37	0
138	0	705.850556	808.100409	234.662849	624.439048	50	0
66	0	273.746971	388.360891	19.03106	77.137898	3	0
42	0	463.157807	257.736148	2.155671	10.534364	11	0
175	29	847.504635	1216.85228	356.979396	807.026118	42	18
168	17	478.023101	446.114329	69.130881	260.813625	37	0
138	0	705.850556	808.100409	234.662849	624.439048	50	0
66	0	273.746971	388.360891	19.03106	77.137898	3	0
37	0	447.669541	175.999902	14.140232	45.842196	9	0
182	14	880.59923	1261.22664	502.15094	1070.26453	50	14
203	19	487.636524	431.917393	101.924732	338.292245	50	0
127	11	770.338171	890.401244	348.787911	870.886101	52	7
76	0	241.403122	320.668614	9.408447	42.901657	4	0
40	0	437.865014	183.400835	13.040811	44.045933	9	0
216	14	801.479211	1198.66039	435.969938	1013.76378	53	14
241	20	473.116228	421.178235	93.40129	319.950003	58	0
157	0	700.471399	823.355255	298.388652	800.64678	56	0
95	0	236.191124	245.489212	17.738764	72.893527	7	0
40	0	437.865014	183.400835	13.040811	44.045933	9	0
216	38	801.479211	1198.66039	435.969938	1013.76378	53	27
241	28	473.116228	421.178235	93.40129	319.950003	58	0
157	7	700.471399	823.355255	298.388652	800.64678	56	7
95	0	236.191124	245.489212	17.738764	72.893527	7	0
89	30	931.864579	982.027486	330.466057	699.603446	71	24
199	80	582.144	697.158	188.061	574.268	137	57
152	43	629.202112	754.44799	260.889737	699.651235	107	33
53	3	412.891953	675.643758	26.043678	80.2689	19	3
90	0	895.86589	917.585545	310.33952	674.642727	42	0
220	26	575.199026	674.47852	169.252745	538.296302	49	8
169	0	605.050139	706.887417	239.621298	689.48642	48	0
59	0	392.563058	642.186503	20.590358	74.107792	7	0
90	7	895.86589	917.585545	310.33952	674.642727	42	3
220	44	575.199026	674.47852	169.252745	538.296302	49	12
169	20	605.050139	706.887417	239.621298	689.48642	48	8
59	0	392.563058	642.186503	20.590358	74.107792	7	0
103	0	781.640669	802.474485	394.553941	847.323455	43	0
296	38	540.658786	581.440367	313.543757	814.309453	63	9
173	0	735.339947	962.613893	314.652993	790.307976	61	0
111	0	304.546158	382.493526	23.694066	95.613379	14	0
107	0	771.30944	791.908852	385.03969	825.12768	45	0

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331	44	521.806978	559.550929	297.347331	795.83	70	11
221	0	671.6815	857.888676	263.734468	734.458706	71	0
140	0	291.82376	392.741273	18.689961	85.643187	15	0
107	6	771.30944	791.908852	385.03969	825.12768	45	3
331	87	521.806978	559.550929	297.347331	795.83	70	23
221	13	671.6815	857.888676	263.734468	734.458706	71	9
140	6	291.82376	392.741273	18.689961	85.643187	15	2
82	23	228.246997	208.54986	78.866021	204.005816	18	10
34	11	636.474426	706.441932	367.015112	656.597732	21	5
19	0	259.614943	160.30793	29.752899	113.51933	5	0
108	31	358.762319	686.854486	213.28897	481.925358	23	8
86	25	292.225254	355.954607	40.006718	111.3196	26	12
116	25	270.491072	337.651114	101.749684	233.973529	10	6
50	0	531.572695	587.33702	345.890735	624.606523	10	0
24	0	312.040898	193.455374	28.66851	101.627167	3	0
134	12	332.400081	646.097686	285.39169	555.484077	11	0
111	16	364.612095	529.013058	39.67948	84.861434	16	5
116	25	270.491072	337.651114	101.749684	233.973529	10	6
50	7	531.572695	587.33702	345.890735	624.606523	10	0
24	0	312.040898	193.455374	28.66851	101.627167	3	0
134	21	332.400081	646.097686	285.39169	555.484077	11	0
111	25	364.612095	529.013058	39.67948	84.861434	16	5
76	11	262.936728	354.267862	185.934842	426.819506	4	3
34	0	638.497686	922.115043	482.536495	895.24861	5	0
36	0	409.903543	784.277557	46.714603	113.746125	4	0
132	10	295.816209	596.151349	281.586141	638.422908	11	0
154	28	387.362217	512.747703	61.613666	116.705316	26	9
100	0	252.04046	324.739397	149.980263	371.468303	7	0
58	0	559.502348	780.727622	362.319567	742.406391	8	0
53	0	370.758681	658.529999	36.543057	106.664458	6	0
142	10	317.815849	676.671972	263.227916	619.661628	13	0
196	30	378.967992	495.128296	54.679787	111.404397	32	10
100	9	252.04046	324.739397	149.980263	371.468303	7	3
58	6	559.502348	780.727622	362.319567	742.406391	8	0
53	0	370.758681	658.529999	36.543057	106.664458	6	0
142	31	317.815849	676.671972	263.227916	619.661628	13	0
196	38	378.967992	495.128296	54.679787	111.404397	32	17
17	5	418.168415	534.673031	296.183749	696.836237	7	1
80	35	335.138844	422.35085	191.68118	523.408338	28	13
0	0					0	0
11	0	393.083071	326.827752	45.622091	84.986088	7	0
26	0	424.166608	465.472372	321.185807	671.725524	2	0
99	0	383.519981	459.779269	174.732163	477.518	7	0
1	0	174.579439		0		0	0
13	0	339.00686	318.162432	74.462175	133.364118	3	0
26	0	424.166608	465.472372	321.185807	671.725524	2	0
99	14	383.519981	459.779269	174.732163	477.518	7	0
1	0	174.579439		0		0	0
13	0	339.00686	318.162432	74.462175	133.364118	3	0
48	0	457.638575	732.130784	167.485319	487.577075	5	0
122	21	696.667967	1219.99356	261.287873	654.43691	22	10
2	0	119.656319	130.927037	23.153846	32.744483	0	0
47	0	226.087271	197.982353	36.466278	83.50236	3	0
67	0	510.586538	733.377697	148.256302	471.112718	11	0
137	23	634.347531	1112.88354	279.70898	664.226511	24	12
11	0	129.583333	72.274647	56.862851	171.849503	0	0
72	0	249.565941	271.024134	38.79901	86.194664	4	0
67	0	510.586538	733.377697	148.256302	471.112718	11	0

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137	30	634.347531	1112.88354	279.70898	664.226511	24	12
11	0	129.583333	72.274647	56.862851	171.849503	0	0
72	0	249.565941	271.024134	38.79901	86.194664	4	0
175	69	794.485434	799.98633	285.216012	619.138471	145	68
155	46	406.823299	372.58656	331.725724	801.787453	101	37
118	32	434.054694	436.422374	130.7767	399.467779	70	22
75	19	326.535342	453.79866	52.548639	139.273907	25	10
17	0	186.824111	91.076585	39.89674	80.291509	2	0
196	15	783.937065	785.203298	315.971881	657.539518	82	12
175	0	413.572727	342.466182	325.59562	784.097763	22	0
160	14	446.005509	450.678081	119.312768	401.322967	26	1
75	0	397.047385	771.116849	72.10334	257.388294	9	0
25	0	289.435237	438.083111	37.758752	90.572002	2	0
196	29	783.937065	785.203298	315.971881	657.539518	82	18
175	16	413.572727	342.466182	325.59562	784.097763	22	4
160	14	446.005509	450.678081	119.312768	401.322967	26	1
75	6	397.047385	771.116849	72.10334	257.388294	9	1
25	0	289.435237	438.083111	37.758752	90.572002	2	0
237	28	793.934137	782.930376	548.713835	965.619575	105	24
192	11	418.062252	356.619996	373.001468	928.535697	27	1
174	17	389.103664	278.162719	158.354496	576.554602	19	2
82	0	318.675329	431.412656	39.194157	121.035522	8	0
42	0	386.57786	718.021152	73.934551	145.760441	4	0
277	29	747.387141	776.236133	511.600152	946.82874	113	23
229	11	401.082489	348.724103	319.374872	855.86636	32	1
203	19	367.855171	269.420566	142.058053	541.963222	22	2
93	0	327.611509	450.463818	50.134335	148.679474	11	0
59	0	356.181981	640.763055	59.729229	127.840121	6	0
277	69	747.387141	776.236133	511.600152	946.82874	113	46
229	19	401.082489	348.724103	319.374872	855.86636	32	6
203	34	367.855171	269.420566	142.058053	541.963222	22	4
93	15	327.611509	450.463818	50.134335	148.679474	11	2
59	0	356.181981	640.763055	59.729229	127.840121	6	0
0	0					0	0
10	5	426.313464	400.528374	171.766905	153.51304	6	2
1	0	247.569378		0		0	0
17	0	342.477446	314.971407	225.723246	390.867399	2	0
1	0	247.569378		0		0	0
17	0	342.477446	314.971407	225.723246	390.867399	2	0
2	0	428.304024	203.910041	1.043328	1.475488	0	0
7	0	383.985031	278.130523	202.507649	366.559038	1	0
5	0	592.251559	253.960048	32.675961	48.83334	3	0
12	0	342.320644	238.392721	265.637224	643.775858	2	0
5	0	592.251559	253.960048	32.675961	48.83334	3	0
12	0	342.320644	238.392721	265.637224	643.775858	2	0
10	0	194.358618	114.095468	52.054839	113.599882	2	0
9	0	368.496297	461.892014	13.958042	41.874126	2	0
8	0	809.038805	1299.50118	78.298458	116.824632	3	0
80	26	342.382584	523.438026	30.206589	95.821866	27	7
15	0	185.949242	70.633832	139.67369	261.233844	0	0
12	0	220.600398	162.752646	10.632911	36.833486	1	0
6	0	856.314579	1533.21033	24.523936	49.200353	1	0
87	0	334.022849	525.428612	28.479609	95.869832	8	0
15	0	185.949242	70.633832	139.67369	261.233844	0	0
12	0	220.600398	162.752646	10.632911	36.833486	1	0
6	0	856.314579	1533.21033	24.523936	49.200353	1	0
87	0	334.022849	525.428612	28.479609	95.869832	8	0
10	0	304.143785	227.357301	42.934427	100.288252	1	0

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19	0	449.898465	458.285397	12.558942	41.470985	4	0
14	0	238.324345	130.950489	15.054012	46.205023	1	0
139	0	307.665218	412.057755	33.0835	107.944484	16	0
21	0	340.612029	398.845318	62.902969	177.811389	2	0
45	0	313.890689	330.658164	10.853738	37.539587	5	0
21	0	246.44061	154.526252	40.661034	106.594655	2	0
161	0	337.85462	538.978053	26.599446	90.554025	20	0
21	0	340.612029	398.845318	62.902969	177.811389	2	0
45	0	313.890689	330.658164	10.853738	37.539587	5	0
21	0	246.44061	154.526252	40.661034	106.594655	2	0
161	0	337.85462	538.978053	26.599446	90.554025	20	0
137	48	760.695	627.349	233.409	483.673	114	41
77	18	480.998692	370.912426	127.66354	340.291793	58	16
2	0	955.292494	1265.53933	0	0	1	0
135	20	428.128627	497.099754	239.018278	593.144645	66	15
20	2	218.732936	177.160041	0.584346	1.43256	5	0
150	23	763.403255	644.907351	212.277569	476.618133	76	14
84	0	482.735442	370.245625	127.967114	329.563233	19	0
11	0	333.841821	507.5953	7.214804	21.469966	1	0
169	0	424.200944	454.11559	208.802971	553.500323	26	0
24	0	301.91	369.581	10.3097	43.1474	3	0
150	29	763.403255	644.907351	212.277569	476.618133	76	15
84	0	482.735442	370.245625	127.967114	329.563233	19	0
11	0	333.841821	507.5953	7.214804	21.469966	1	0
169	0	424.200944	454.11559	208.802971	553.500323	26	0
24	0	301.909625	369.5809	10.309723	43.147362	3	0
162	25	712.999669	581.914332	328.727816	676.423182	79	16
114	0	516.159341	506.159394	179.499036	468.59823	27	0
36	0	375.519929	632.882052	132.059809	347.263857	4	0
186	0	401.728454	453.948256	213.585906	605.503617	30	0
41	0	317.695731	465.923035	20.906219	56.767981	6	0
181	26	727.359998	629.737912	305.100278	651.317112	86	16
130	0	488.744619	476.512706	143.552359	415.661651	30	0
57	0	294.897964	529.209059	89.310503	281.918265	5	0
217	0	432.134273	576.741785	196.278223	575.007835	37	0
57	0	304.176306	422.534327	22.524511	68.006458	7	0
181	34	727.359998	629.737912	305.100278	651.317112	86	21
130	16	488.744619	476.512706	143.552359	415.661651	30	2
57	0	294.897964	529.209059	89.310503	281.918265	5	0
217	0	432.134273	576.741785	196.278223	575.007835	37	0
57	0	304.176306	422.534327	22.524511	68.006458	7	0
90	21	348.488	563.538	25.4419	98.3787	29	11
26	2	205.266958	144.563326	91.833533	298.142856	3	0
6	0	193.45402	105.556732	0	0	2	0
5	0	198.875064	195.093782	11.277778	25.217878	1	0
94	0	319.83751	456.704595	28.62749	88.498334	4	0
30	0	220.132432	195.232426	77.032588	261.014571	2	0
7	0	205.1437	95.218221	0	0	0	0
7	0	154.608712	181.172394	21.357967	37.985351	0	0
94	0	319.83751	456.704595	28.62749	88.498334	4	0
30	0	220.132432	195.232426	77.032588	261.014571	2	0
7	0	205.1437	95.218221	0	0	0	0
7	0	154.608712	181.172394	21.357967	37.985351	0	0
66	0	308.306684	460.626107	35.79331	96.648999	4	0
15	0	422.583847	807.015558	9.758847	25.188946	2	0
7	0	178.910569	113.869678	3.545455	9.380391	0	0
11	0	196.103055	234.327399	60.235495	149.317792	1	0
89	0	428.345941	777.490017	44.531433	137.814645	10	0

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35	0	273.145701	544.693408	41.116594	115.860082	3	0
10	0	163.361526	99.77474	2.481818	7.848198	0	0
17	0	136.855345	91.91368	100.289134	338.632591	0	0
89	0	428.345941	777.490017	44.531433	137.814645	10	0
35	0	273.145701	544.693408	41.116594	115.860082	3	0
10	0	163.361526	99.77474	2.481818	7.848198	0	0
17	0	136.855345	91.91368	100.289134	338.632591	0	0
5	0	452.004984	252.734232	304.452895	644.337368	3	0
21	6	363.133453	758.931619	25.444283	58.204141	3	0
16	0	179.303014	123.303176	72.252152	256.387991	2	0
12	2	466.074363	146.869493	1154.89027	1162.1757	11	2
8	0	416.854282	368.335859	26.605519	74.264954	4	0
22	0	763.679672	1110.4705	104.993404	296.218132	5	0
26	0	339.986663	684.294909	21.789339	64.195416	2	0
18	0	211.373216	172.201704	53.212922	169.578014	1	0
14	0	400.6228	172.301937	701.329244	1039.03517	3	0
11	0	621.207842	897.508765	93.208702	237.813126	2	0
22	0	763.679672	1110.4705	104.993404	296.218132	5	0
26	0	339.986663	684.294909	21.789339	64.195416	2	0
18	0	211.373216	172.201704	53.212922	169.578014	1	0
14	0	400.6228	172.301937	701.329244	1039.03517	3	0
11	0	621.207842	897.508765	93.208702	237.813126	2	0
25	0	322.563242	135.457285	132.416467	458.797465	1	0
49	0	322.101849	617.391533	64.576777	175.858791	4	0
4	0	946.317065	1734.17273	52.606189	69.371872	1	0
4	0	168.72934	170.042209	64.821429	129.642857	0	0
10	0	627.344318	1226.26882	206.77526	626.299876	2	0
59	0	359.614209	219.033988	111.315071	401.300098	7	0
75	0	352.659808	716.709157	64.927281	166.003243	7	0
12	0	441.855974	983.366514	18.940073	44.1811	1	0
14	0	662.3968	1324.33763	245.429391	495.707412	2	0
16	0	507.595435	965.267321	130.36778	495.726832	2	0
59	0	359.614209	219.033988	111.315071	401.300098	7	0
75	6	352.659808	716.709157	64.927281	166.003243	7	0
12	0	441.855974	983.366514	18.940073	44.1811	1	0
14	0	662.3968	1324.33763	245.429391	495.707412	2	0
16	0	507.595435	965.267321	130.36778	495.726832	2	0
45	0	423.738485	555.785687	27.79425	72.401383	15	0
43	13	655.387102	652.728908	88.462607	194.335766	26	8
20	0	342.318355	440.07704	7.992165	27.942209	7	0
38	3	477.034482	804.068484	147.143371	452.777391	18	0
0	0					0	0
62	0	403.409569	490.030876	20.994691	64.836	10	0
60	0	693.829533	628.44771	119.123715	335.428557	24	0
31	0	349.141329	446.306418	63.203867	218.011321	5	0
39	0	401.197995	565.990348	146.094823	443.095137	4	0
4	0	844.863082	1379.70223	6.567164	13.134328	1	0
62	0	403.409569	490.030876	20.994691	64.836	10	0
60	0	693.829533	628.44771	119.123715	335.428557	24	0
31	0	349.141329	446.306418	63.203867	218.011321	5	0
39	0	401.197995	565.990348	146.094823	443.095137	4	0
4	0	844.863082	1379.70223	6.567164	13.134328	1	0
20	0	492.167702	520.120865	88.934506	169.146231	6	0
22	0	1042.20908	1166.22599	18.227098	53.457827	10	0
29	0	383.964791	433.346445	29.709767	141.489067	6	0
15	0	954.786398	1359.27813	646.751349	1087.50572	5	0
15	0	258.249258	329.855355	20.729352	65.489995	1	0
36	0	468.845323	483.331489	58.35062	137.193776	9	0

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66	0	976.411611	850.650025	17.168639	53.184797	36	0
52	0	352.670005	391.6835	17.973441	106.599786	11	0
29	0	726.287535	1103.11762	505.155494	932.977562	6	0
27	0	248.081666	257.718932	13.521066	49.430176	1	0
36	0	468.845323	483.331489	58.35062	137.193776	9	0
66	0	976.411611	850.650025	17.168639	53.184797	36	0
52	0	352.670005	391.6835	17.973441	106.599786	11	0
29	0	726.287535	1103.11762	505.155494	932.977562	6	0
27	0	248.081666	257.718932	13.521066	49.430176	1	0
15	2	473.780684	242.140586	392.857978	838.54829	11	2
18	0	408.422367	458.050176	336.351496	621.011498	11	0
49	4	296.11907	484.187805	116.036576	480.936215	8	0
16	0	432.518491	208.131692	560.381018	903.440601	4	0
27	0	673.708081	928.318031	443.757098	588.860099	8	0
57	0	279.527424	459.951952	101.021588	444.775143	5	0
16	0	432.518491	208.131692	560.381018	903.440601	4	0
27	0	673.708081	928.318031	443.757098	588.860099	8	0
57	0	279.527424	459.951952	101.021588	444.775143	5	0
1	0	196.039604		0		0	0
15	0	645.315239	1031.30998	414.397704	514.162517	4	0
33	0	194.581794	225.795401	38.12723	148.511765	1	0
2	0	158.557996	53.006998	0.572917	0.810227	0	0
49	0	578.127437	666.603963	289.340972	584.400697	16	0
65	0	206.699116	292.012119	25.819173	109.650485	2	0
2	0	158.557996	53.006998	0.572917	0.810227	0	0
49	0	578.127437	666.603963	289.340972	584.400697	16	0
65	0	206.699116	292.012119	25.819173	109.650485	2	0
68	0	422.374764	465.903481	36.307616	164.008949	28	0
75	15	586.966646	685.542497	125.90152	360.093355	50	10
12	0	279.247117	302.431043	2.444143	6.488855	3	0
7	0	904.043418	1380.93461	243.342616	437.327431	2	0
77	0	393.078062	444.95812	31.424214	154.347782	15	0
99	0	594.511122	630.098407	157.758086	450.58984	31	0
22	0	222.487782	241.576381	12.24345	47.587151	1	0
22	0	356.232081	338.060753	85.984112	302.745726	4	0
77	0	393.078062	444.95812	31.424214	154.347782	15	0
99	0	594.511122	630.098407	157.758086	450.58984	31	0
22	0	222.487782	241.576381	12.24345	47.587151	1	0
22	0	356.232081	338.060753	85.984112	302.745726	4	0
54	0	489.053463	715.390781	14.007562	61.853717	9	0
54	0	597.440622	917.425597	232.305801	552.632151	7	0
7	0	178.945708	135.525981	97.799766	173.324475	0	0
4	0	1759.85013	1816.14793	0	0	2	0
74	0	436.849345	631.234359	10.601252	53.10456	9	0
93	0	518.875912	756.127473	157.992987	464.834174	12	0
11	0	157.488841	121.702866	63.658774	147.000856	0	0
11	0	761.961414	1272.65956	44.042954	140.451297	2	0
74	0	436.849345	631.234359	10.601252	53.10456	9	0
93	0	518.875912	756.127473	157.992987	464.834174	12	0
11	0	157.488841	121.702866	63.658774	147.000856	0	0
11	0	761.961414	1272.65956	44.042954	140.451297	2	0
65	28	700.047166	1008.55178	578.598734	779.488364	40	21
17	0	129.272902	86.648268	0	0	1	0
14	0	392.439641	586.434252	44.926209	134.777896	7	0
22	0	328.153579	667.228793	3.914418	13.539699	4	0
14	2	435.046026	279.614839	25.04933	68.38745	10	2
75	11	731.964312	1033.96173	536.048498	778.439387	17	10
16	0	166.713556	101.113669	0	0	0	0

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15	0	360.653935	531.352467	46.685084	125.562031	1	0
37	0	254.283526	523.324886	5.488516	20.719546	1	0
17	0	607.163396	728.812191	20.62886	62.424544	3	0
75	19	731.964312	1033.96173	536.048498	778.439387	17	11
16	0	166.713556	101.113669	0	0	0	0
15	0	360.653935	531.352467	46.685084	125.562031	1	0
37	0	254.283526	523.324886	5.488516	20.719546	1	0
17	0	607.163396	728.812191	20.62886	62.424544	3	0
92	14	851.724016	970.036135	720.623878	1003.06934	29	12
23	0	293.595912	623.540654	150.396705	638.549234	2	0
55	0	247.724098	298.280585	13.238111	32.016807	4	0
60	0	312.370978	485.21355	20.204989	86.512599	4	0
11	0	732.210918	607.135415	31.877172	67.106719	5	0
109	14	815.194244	943.638542	610.007891	943.230888	38	12
35	0	239.396119	508.781565	98.507308	518.790313	2	0
75	0	246.602377	270.801938	14.346683	39.489773	5	0
86	0	319.430713	515.275489	16.866624	76.542406	7	0
18	0	658.535332	545.093132	14.451195	48.716493	7	0
109	21	815.194244	943.638542	610.007891	943.230888	38	14
35	0	239.396119	508.781565	98.507308	518.790313	2	0
75	0	246.602377	270.801938	14.346683	39.489773	5	0
86	0	319.430713	515.275489	16.866624	76.542406	7	0
18	0	658.535332	545.093132	14.451195	48.716493	7	0
16	3	211.288347	186.931526	2.278571	7.601557	3	2
78	9	318.358609	549.585297	41.534008	174.650515	23	0
18	5	495.288944	669.395202	172.825986	709.568897	5	1
24	5	290.328864	366.973635	31.239356	92.577552	5	1
31	0	248.770435	237.242494	43.925864	145.760821	3	0
91	0	303.009092	489.49373	40.008682	164.665297	9	0
21	0	428.92904	627.723555	150.438796	658.407757	5	0
31	0	268.476758	326.112819	23.428057	79.400286	2	0
31	0	248.770435	237.242494	43.925864	145.760821	3	0
91	0	303.009092	489.49373	40.008682	164.665297	9	0
21	0	428.92904	627.723555	150.438796	658.407757	5	0
31	0	268.476758	326.112819	23.428057	79.400286	2	0
74	0	302.127363	410.097531	30.031347	91.441369	8	0
47	0	287.255832	250.117428	19.555755	65.635885	5	0
16	0	420.75133	756.606989	35.00937	58.922642	2	0
42	0	306.617181	425.538333	44.160023	128.320462	3	0
98	0	280.600285	375.814768	31.043759	89.810888	9	0
72	0	284.055836	265.572176	27.320963	110.208183	8	0
19	0	378.21507	698.727372	31.223885	54.90375	2	0
59	0	332.106819	486.625902	54.835981	139.472299	7	0
98	0	280.600285	375.814768	31.043759	89.810888	9	0
72	0	284.055836	265.572176	27.320963	110.208183	8	0
19	0	378.21507	698.727372	31.223885	54.90375	2	0
59	0	332.106819	486.625902	54.835981	139.472299	7	0
35	7	992.223508	1125.06326	187.271199	638.814344	27	6
220	44	310.727708	594.729085	84.914876	204.87333	52	5
154	31	227.175658	382.47708	96.885334	178.355913	26	5
203	55	552.34795	904.463292	307.103354	540.658094	77	31
156	52	558.293692	650.762844	489.153708	735.231807	89	35
50	0	789.819557	991.179439	131.538146	541.077806	15	0
245	10	279.14809	488.897876	87.235056	205.926354	17	0
153	0	242.28037	399.631694	99.217454	180.053315	10	0
246	11	517.87668	842.826359	267.18358	524.973736	35	11
194	17	639.378707	937.192656	375.538006	675.968281	45	0
50	0	789.819557	991.179439	131.538146	541.077806	15	0

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245	16	279.14809	488.897876	87.235056	205.926354	17	0
153	15	242.28037	399.631694	99.217454	180.053315	10	0
246	25	517.87668	842.826359	267.18358	524.973736	35	13
194	17	639.378707	937.192656	375.538006	675.968281	45	0
85	14	962.849104	1155.24586	199.525449	689.254655	27	14
237	15	341.082294	661.194924	121.442976	255.158783	20	0
155	18	243.081861	381.428225	116.711034	204.38359	13	0
250	18	572.435896	902.986215	381.85186	721.199453	44	18
199	20	521.807365	857.379088	405.313622	780.598473	38	0
95	15	933.093893	1140.42487	191.725434	655.820711	31	15
277	15	343.869542	671.66293	115.483173	251.832216	25	0
200	20	240.616707	418.939239	97.524713	190.381666	14	0
317	18	504.339185	822.559162	315.872147	662.867739	52	18
256	20	485.500538	796.072192	332.173476	712.61471	43	0
95	15	933.093893	1140.42487	191.725434	655.820711	31	15
277	22	343.869542	671.66293	115.483173	251.832216	25	3
200	20	240.616707	418.939239	97.524713	190.381666	14	0
317	36	504.339185	822.559162	315.872147	662.867739	52	19
256	20	485.500538	796.072192	332.173476	712.61471	43	0
59	2	257.822698	306.427899	22.084337	116.941232	14	0
105	16	325.721739	327.991441	67.961364	316.185858	39	5
55	5	236.713065	170.190884	18.84124	108.450884	13	3
19	0	411.072894	719.667935	3.038167	9.949123	6	0
59	0	242.63478	233.176388	25.236654	119.66514	2	0
111	0	321.582172	415.46529	64.937832	310.187228	13	0
60	0	247.798631	191.687547	19.56316	104.498064	3	0
18	0	348.419981	728.732037	3.007407	9.434657	1	0
59	0	242.63478	233.176388	25.236654	119.66514	2	0
111	0	321.582172	415.46529	64.937832	310.187228	13	0
60	0	247.798631	191.687547	19.56316	104.498064	3	0
18	0	348.419981	728.732037	3.007407	9.434657	1	0
35	0	308.642795	338.849576	2.904928	12.238731	5	0
163	0	325.342193	349.848221	61.124066	325.361183	21	0
107	0	219.060821	169.921524	19.654766	107.305994	3	0
48	0	391.624795	722.912536	9.017832	33.981298	6	0
51	0	276.659667	296.708979	7.296311	24.317663	5	0
221	0	325.010898	455.529353	50.433	284.842595	28	0
124	0	212.020348	197.624163	27.118573	135.876141	4	0
70	0	324.969977	573.523652	9.490761	38.5077	7	0
51	0	276.659667	296.708979	7.296311	24.317663	5	0
221	0	325.010898	455.529353	50.433	284.842595	28	0
124	0	212.020348	197.624163	27.118573	135.876141	4	0
70	0	324.969977	573.523652	9.490761	38.5077	7	0
44	2	604.265712	830.297905	7.789042	30.924751	25	0
135	24	332.253206	504.247709	19.523966	74.455662	35	2
26	2	835.646724	716.717768	21.649152	57.421192	17	1
51	0	645.220473	900.018953	11.916935	35.898459	16	0
153	0	294.633926	462.681946	16.629276	69.548874	13	0
28	0	693.075031	619.174682	33.324958	80.606539	13	0
51	0	645.220473	900.018953	11.916935	35.898459	16	0
153	0	294.633926	462.681946	16.629276	69.548874	13	0
28	0	693.075031	619.174682	33.324958	80.606539	13	0
59	0	614.366904	694.085037	29.270536	112.373565	20	0
171	0	262.21612	347.734283	23.715659	90.953183	12	0
36	0	1130.31417	827.332018	34.586475	85.043862	22	0
69	0	588.449199	667.853227	40.697529	141.311592	21	0
206	0	251.360534	321.33202	19.816802	82.644795	14	0
36	0	1130.31417	827.332018	34.586475	85.043862	22	0

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69	0	588.449199	667.853227	40.697529	141.311592	21	0
206	0	251.360534	321.33202	19.816802	82.644795	14	0
36	0	1130.31417	827.332018	34.586475	85.043862	22	0
06502							
8	0	689.438788	1405.31848	10.087805	28.532621	3	0
17	0	320.021568	285.696153	7.853413	32.380451	6	0
06502							
15	0	545.332778	1050.94349	14.501624	39.712057	2	0
29	0	286.858767	232.515516	7.944821	26.697785	4	0
06502							
15	0	545.332778	1050.94349	14.501624	39.712057	2	0
29	0	286.858767	232.515516	7.944821	26.697785	4	0
1	0	119.165354		0		0	0
57	0	313.823752	400.15527	135.555186	317.798366	3	0
31	0	316.266554	307.397944	42.581142	142.106608	5	0
2	0	70.131549	69.344272	33.37594	47.200707	0	0
82	0	293.494262	358.980227	127.43503	292.928735	6	0
51	0	329.637597	303.652036	29.515259	111.431708	8	0
2	0	70.131549	69.344272	33.37594	47.200707	0	0
82	14	293.494262	358.980227	127.43503	292.928735	6	0
51	0	329.637597	303.652036	29.515259	111.431708	8	0
2	0	474.50007	58.760672	0	0	2	0
4	0	85.567639	54.370313	353.6	707.2	0	0
46	8	236.066	378.662	29.9892	93.2009	9	2
295	35	257.555943	372.122413	30.518131	125.274394	51	13
1	0	439.060241		0		0	0
8	0	103.595545	41.731475	228.562821	500.582602	0	0
51	0	200.485953	318.691247	25.045702	80.872439	1	0
331	0	261.292872	380.96009	30.475562	123.7475	19	0
1	0	439.060241		0		0	0
8	0	103.595545	41.731475	228.562821	500.582602	0	0
51	0	200.485953	318.691247	25.045702	80.872439	1	0
331	0	261.292872	380.96009	30.475562	123.7475	19	0
6	0	481.837878	219.326182	1473.70691	1581.68422	3	0
9	0	131.31239	67.152127	229.375507	688.126521	0	0
44	0	244.795533	323.329297	90.108974	297.469765	1	0
47	0	216.104375	142.628829	58.016142	204.627918	1	0
12	0	418.675585	257.538571	792.043064	1236.56765	5	0
30	0	350.818911	582.091319	90.195826	386.386342	4	0
86	0	254.37205	380.216552	73.419193	261.732414	5	0
97	0	242.240787	304.004075	42.855948	159.583989	8	0
12	0	418.675585	257.538571	792.043064	1236.56765	5	0
30	0	350.818911	582.091319	90.195826	386.386342	4	0
86	0	254.37205	380.216552	73.419193	261.732414	5	0
97	0	242.240787	304.004075	42.855948	159.583989	8	0
75	17	369.462459	476.858885	95.12445	254.145943	30	10
156	12	299.639976	343.445536	75.105621	257.119016	43	1
84	9	1015.281	533.389195	9.752728	51.196659	79	8
84	16	158.402393	223.318884	119.703009	294.72657	8	1
85	10	292.026059	380.654267	89.447106	243.657054	10	4
161	0	302.522757	332.252731	76.246123	260.746839	18	0
84	0	993.248125	486.305153	3.746087	19.17348	66	0
72	0	180.603931	257.869563	104.976765	243.104983	4	0
85	10	292.026059	380.654267	89.447106	243.657054	10	4
161	0	302.522757	332.252731	76.246123	260.746839	18	0
84	0	993.248125	486.305153	3.746087	19.17348	66	0
72	0	180.603931	257.869563	104.976765	243.104983	4	0
40	0	321.413586	442.712334	99.635308	210.489541	5	0

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176	0	261.461165	215.754399	65.291873	291.201531	13	0
58	0	1009.9929	695.432568	144.449557	281.49601	37	0
174	10	121.036431	174.68686	116.531207	259.71382	4	0
60	0	300.35039	388.678465	77.54604	191.409158	6	0
220	0	266.578895	238.442129	58.007104	262.81157	16	0
119	0	1121.23836	742.653299	76.074266	194.574174	90	0
229	10	136.356683	250.632182	97.463302	233.08056	8	0
60	0	300.35039	388.678465	77.54604	191.409158	6	0
220	0	266.578895	238.442129	58.007104	262.81157	16	0
119	7	1121.23836	742.653299	76.074266	194.574174	90	1
229	18	136.356683	250.632182	97.463302	233.08056	8	0
166	49	344.436794	691.586244	29.419631	79.69337	31	2
213	57	316.962622	558.433115	49.541766	153.762071	51	14
168	58	280.530378	513.281525	18.511007	56.733657	33	13
39	22	391.62158	222.852543	19.179344	90.729463	23	17
274	109	949.199542	1200.70105	299.217882	761.823399	191	93
176	0	333.829841	706.646363	38.169047	97.722449	20	0
259	0	262.920928	393.443996	39.25325	128.505065	21	0
171	0	251.90024	369.792259	22.464667	72.081017	12	0
50	14	479.156932	355.716111	20.354456	83.405042	11	3
295	22	878.643478	1156.44115	253.877471	697.272132	108	21
176	0	333.829841	706.646363	38.169047	97.722449	20	0
259	0	262.920928	393.443996	39.25325	128.505065	21	0
171	7	251.90024	369.792259	22.464667	72.081017	12	2
50	14	479.156932	355.716111	20.354456	83.405042	11	3
295	52	878.643478	1156.44115	253.877471	697.272132	108	42
176	0	265.578184	455.046541	24.484569	77.611087	18	0
231	0	305.578751	560.891339	61.163526	183.426896	22	0
195	0	315.682676	512.351888	29.24089	90.19491	21	0
57	13	338.91636	223.851658	8.074666	31.07339	5	0
135	0	956.785954	1369.85218	256.490368	646.944065	53	0
231	0	250.272605	421.122545	34.485395	113.607025	21	0
296	0	312.5788	585.74113	54.463556	167.279649	28	0
242	0	310.112198	497.459741	31.378688	110.731505	26	0
62	15	345.527735	219.353044	9.266093	31.916909	7	1
174	0	927.134547	1338.35862	213.513014	593.526702	63	0
231	0	250.272605	421.122545	34.485395	113.607025	21	0
296	8	312.5788	585.74113	54.463556	167.279649	28	1
242	14	310.112198	497.459741	31.378688	110.731505	26	1
62	21	345.527735	219.353044	9.266093	31.916909	7	2
174	13	927.134547	1338.35862	213.513014	593.526702	63	4
66	5	293.134229	334.738952	58.344041	243.473471	19	2
35	13	1059.8942	1648.87002	240.894727	505.746416	15	9
1	0	129.042105		133.357895		0	0
2	0	160.52381	78.522524	0	0	0	0
41	13	224.293	240.299	47.4028	152.407	9	3
67	0	258.672334	292.326616	38.276252	195.690397	6	0
63	0	904.131973	1474.60754	207.436444	446.844242	12	0
6	0	197.278	142.54	41.2943	65.5618	0	0
1	0	109.451613		0		0	0
41	0	222.644639	221.517842	48.02133	155.428336	2	0
67	0	258.672334	292.326616	38.276252	195.690397	6	0
63	0	904.131973	1474.60754	207.436444	446.844242	12	0
6	0	197.27758	142.54015	41.294259	65.561803	0	0
1	0	109.451613		0		0	0
41	0	222.644639	221.517842	48.02133	155.428336	2	0
54	0	283.040634	380.837137	79.865267	304.72905	4	0
25	0	578.744032	920.167844	137.983668	316.145162	3	0

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8	0	486.900373	631.039901	60.154967	151.151651	2	0
12	0	403.467769	815.331768	17.940244	43.345815	1	0
51	0	243.994016	223.613348	71.685668	226.116608	4	0
72	0	260.77256	362.544513	72.813697	284.12697	5	0
47	0	691.793637	1018.94448	122.001076	310.71339	10	0
18	0	373.036217	481.469535	46.240416	109.943102	3	0
24	0	435.817866	773.361221	27.873009	89.936286	4	0
71	0	261.931283	344.395938	56.816061	195.73198	6	0
72	0	260.77256	362.544513	72.813697	284.12697	5	0
47	0	691.793637	1018.94448	122.001076	310.71339	10	0
18	0	373.036217	481.469535	46.240416	109.943102	3	0
24	0	435.817866	773.361221	27.873009	89.936286	4	0
71	0	261.931283	344.395938	56.816061	195.73198	6	0
5	5	151.159806	33.956391	1.650372	1.853543	0	0
232	72	517.597076	713.634601	407.93899	837.248686	111	51
574	216	289.806	548.279	246.655	405.65	107	34
227	101	337.47736	741.647907	179.093944	497.70052	45	18
11	0	539.984	1263.61	113.87	248.25	1	0
281	50	541.940817	716.823754	457.304066	894.128795	47	16
612	129	279.002977	528.005628	243.169484	407.21574	49	10
264	19	323.335472	697.807677	192.511463	526.56692	25	5
11	0	539.984159	1263.61462	113.869959	248.249518	1	0
281	73	541.940817	716.823754	457.304066	894.128795	47	30
612	158	279.002977	528.005628	243.169484	407.21574	49	10
264	34	323.335472	697.807677	192.511463	526.56692	25	6
7	0	101.363724	49.478925	44.575098	109.99139	0	0
374	72	545.381886	785.727341	458.749309	974.632937	64	30
575	119	295.195032	545.789808	337.19797	574.819801	49	5
154	0	264.609754	551.931946	186.535999	334.883031	11	0
22	0	285.883575	400.145668	36.500953	90.24309	2	0
453	68	516.027187	773.545681	398.508742	879.904382	73	22
664	170	290.40597	538.552703	307.496822	549.786568	57	12
196	0	321.8813	663.276854	159.734156	296.068633	19	0
22	0	285.883575	400.145668	36.500953	90.24309	2	0
453	102	516.027187	773.545681	398.508742	879.904382	73	39
664	202	290.40597	538.552703	307.496822	549.786568	57	13
196	9	321.8813	663.276854	159.734156	296.068633	19	1
70	8	251.523102	406.515089	34.298732	79.067514	12	0
133	29	548.11942	710.723375	171.121269	520.086863	76	18
20	7	1197.23294	1450.11428	229.817115	559.623937	16	6
48	8	390.029012	840.848125	55.566196	101.054424	14	2
90	22	177.501369	177.941687	99.31428	212.769065	13	3
77	0	251.85277	391.697184	32.335186	76.017357	3	0
173	0	555.790512	775.302886	224.412169	660.697142	30	0
31	0	917.540552	1223.34016	278.294529	635.00015	11	0
64	0	362.270356	761.3423	66.417867	124.585795	9	0
133	16	193.569707	372.943908	99.55542	210.732842	3	0
77	0	251.85277	391.697184	32.335186	76.017357	3	0
173	15	555.790512	775.302886	224.412169	660.697142	30	0
31	0	917.540552	1223.34016	278.294529	635.00015	11	0
64	0	362.270356	761.3423	66.417867	124.585795	9	0
133	23	193.569707	372.943908	99.55542	210.732842	3	0
130	0	283.618144	393.80144	27.459588	73.95707	9	0
165	0	528.278594	707.928191	304.889458	769.134527	31	0
68	0	927.807053	1301.01314	219.20067	566.313792	16	0
84	0	424.464404	818.892713	46.295893	93.817359	13	0
161	24	221.750266	415.283592	157.945377	312.074925	5	1
189	0	309.31202	418.855367	24.745524	68.797834	19	0

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214	0	503.540692	688.981735	231.679591	650.563536	37	0
82	0	825.774054	1211.55693	185.167294	521.391165	18	0
124	0	346.246124	538.229159	43.281083	92.486332	18	0
197	24	219.695629	391.86228	140.59447	288.409566	7	1
189	0	309.31202	418.855367	24.745524	68.797834	19	0
214	15	503.540692	688.981735	231.679591	650.563536	37	9
82	15	825.774054	1211.55693	185.167294	521.391165	18	8
124	0	346.246124	538.229159	43.281083	92.486332	18	0
197	24	219.695629	391.86228	140.59447	288.409566	7	1
27	6	864.983424	1230.17543	247.584188	610.457987	18	6
8	0	196.303598	137.361968	1.100067	3.111459	1	0
3	0	79.01601	32.620491	0	0	0	0
1	0	3739.6129		0		1	0
33	0	977.211049	1400.49295	266.577076	618.504951	11	0
16	0	185.368075	126.019133	0	0	0	0
1	0	111.692308		0		0	0
7	0	1545.77499	1699.58094	7.902072	19.749186	3	0
33	0	977.211049	1400.49295	266.577076	618.504951	11	0
16	0	185.368075	126.019133	0	0	0	0
1	0	111.692308		0		0	0
7	0	1545.77499	1699.58094	7.902072	19.749186	3	0
31	0	702.594314	878.195952	199.017803	501.013413	8	0
25	0	353.725902	806.566951	5.984219	29.287986	2	0
6	0	130.298068	98.706895	41.283763	96.961399	0	0
7	0	831.103197	1360.16863	11.377947	24.578489	2	0
48	0	589.397534	777.736548	144.586753	412.88903	11	0
52	0	458.965134	879.740867	17.566126	87.205264	6	0
12	0	150.739045	84.172934	20.641882	68.834857	0	0
16	0	988.855766	1603.91217	43.626908	101.491034	4	0
48	0	589.397534	777.736548	144.586753	412.88903	11	0
52	0	458.965134	879.740867	17.566126	87.205264	6	0
12	0	150.739045	84.172934	20.641882	68.834857	0	0
16	0	988.855766	1603.91217	43.626908	101.491034	4	0
181	89	634.023585	955.831776	452.18171	677.078202	88	48
163	71	579.585037	848.501105	358.118654	702.875126	90	44
130	34	270.539526	419.098618	43.39167	123.526148	30	12
123	43	522.747405	760.615953	281.391146	572.771248	60	29
68	11	237.11164	376.003581	48.142891	94.64464	13	1
165	60	564.216551	612.830467	382.379785	837.364729	118	48
74	16	572.179698	585.98852	267.49002	757.183138	52	11
59	14	574.43568	645.60866	182.047128	444.079239	37	10
122	33	624.437	719.071	251.683	588.78	74	19
205	53	641.257131	1006.01745	443.382864	682.359328	35	14
201	0	579.677831	855.571076	369.610816	690.141374	43	0
148	0	247.927556	387.672149	35.999074	107.914365	8	0
156	0	540.889686	818.434495	323.256794	626.574153	27	0
77	0	194.556094	221.705009	53.864771	116.020105	5	0
186	0	564.284372	641.274721	403.953582	872.342017	49	0
95	0	554.667753	595.412222	205.520688	634.293172	26	0
58	0	585.296643	654.563278	186.217431	447.666261	12	0
126	0	612.166526	694.754129	243.635391	579.787087	31	0
205	53	641.257131	1006.01745	443.382864	682.359328	35	14
201	19	579.677831	855.571076	369.610816	690.141374	43	7
148	12	247.927556	387.672149	35.999074	107.914365	8	1
156	12	540.889686	818.434495	323.256794	626.574153	27	3
77	0	194.556094	221.705009	53.864771	116.020105	5	0
186	13	564.284372	641.274721	403.953582	872.342017	49	8
95	12	554.667753	595.412222	205.520688	634.293172	26	7

AnnotatedResults

58	0	585.296643	654.563278	186.217431	447.666261	12	0
126	0	612.166526	694.754129	243.635391	579.787087	31	0
154	26	607.159504	964.169163	526.339277	870.095553	22	0
179	0	558.115035	807.993171	434.161026	812.350992	33	0
151	0	260.716993	410.51825	61.540404	188.123184	14	0
161	11	569.054297	837.5903	519.836246	914.502847	29	4
85	0	213.049021	259.88894	66.974351	177.146409	5	0
175	0	528.264308	614.940493	416.992031	917.11836	38	0
74	0	524.371708	575.291317	249.169326	781.260162	16	0
61	0	623.383007	574.916985	306.80789	719.791433	20	0
154	0	550.608899	622.744665	283.062271	655.565036	35	0
181	27	613.47732	968.286529	501.996204	858.59871	30	0
214	0	537.233072	793.529338	383.04352	763.136877	39	0
198	0	241.30899	371.919226	62.485323	188.572112	16	0
188	11	525.703174	777.597308	464.55451	872.964331	30	4
109	0	237.926432	400.5709	55.523461	160.883069	8	0
219	0	530.097478	621.683489	362.415073	854.906605	45	0
98	0	482.915904	509.923028	173.768423	663.640563	18	0
73	0	621.120659	562.009957	281.498548	689.284016	25	0
169	0	525.004308	603.166635	254.283281	638.674774	36	0
181	49	613.47732	968.286529	501.996204	858.59871	30	9
214	8	537.233072	793.529338	383.04352	763.136877	39	1
198	0	241.30899	371.919226	62.485323	188.572112	16	0
188	29	525.703174	777.597308	464.55451	872.964331	30	17
109	0	237.926432	400.5709	55.523461	160.883069	8	0
219	0	530.097478	621.683489	362.415073	854.906605	45	0
98	0	482.915904	509.923028	173.768423	663.640563	18	0
73	14	621.120659	562.009957	281.498548	689.284016	25	6
169	0	525.004308	603.166635	254.283281	638.674774	36	0

AnnotatedResults

Marker1Pos	Marker1Pos	NumDouble	TotalNumD	Marker1Dot	Marker1Dot	Marker2Dot	Marker2Dot
372.311804	78.755002	0	0				
338.657445	46.651371	0	0				
344.727273		0	0				
808.057794	73.324978	0	0				
549.455993	104.267574	1	0	665.792135		2647.78652	
839.433018	208.12465	0	0				
1207.14773		0	0				
		0	0				
854.560525	202.914511	0	0				
671.727963	22.583277	2	0	677.284109	28.892633	2360.46241	614.899338
839.433018	208.12465	0	0				
1207.14773		0	0				
		0	0				
854.560525	202.914511	0	0				
671.727963	22.583277	2	0	677.284109	28.892633	2360.46241	614.899338
1395.92329	1115.15765	0	0				
2463.3428	1381.92002	1	0	3440.50781		3440.50781	
		0	0				
1109.89456	597.923354	0	0				
1061.89787	613.362594	2	0	683.927915	34.508272	2762.52122	661.85915
1384.29272	1098.70953	0	0				
1756.99187	1145.36049	1	0	3440.50781		3440.50781	
		0	0				
1537.21922	915.391556	0	0				
968.193768	569.943146	2	0	669.756638	14.46706	2736.18664	624.616421
1384.29272	1098.70953	0	0				
1756.99187	1145.36049	1	0	3440.50781		3440.50781	
		0	0				
1537.21922	915.391556	0	0				
968.193768	569.943146	2	0	669.756638	14.46706	2736.18664	624.616421
794.709358	532.231546	2	1	1790.55411	175.824703	660.847403	249.695934
981.251675	837.828962	3	0	1162.99239	730.491824	785.888073	406.738765
791.752017	741.631181	7	5	1077.17521	656.293861	1419.60721	795.717502
1112.95697	997.467291	0	0				
339.375		0	0				
1334.28874	829.542985	3	0	1628.8765	878.099799	587.327338	362.860662
1452.89804	730.882956	3	0	1321.55665	711.784538	932.940643	642.939736
1431.37106	1089.56205	5	0	1543.38076	604.672933	1491.10233	947.619523
1475.25475	847.452111	1	0	1425.25743		306.485149	
776.946903		0	0				
1334.28874	829.542985	3	0	1628.8765	878.099799	587.327338	362.860662
1452.89804	730.882956	3	0	1321.55665	711.784538	932.940643	642.939736
1431.37106	1089.56205	5	0	1543.38076	604.672933	1491.10233	947.619523
1475.25475	847.452111	1	0	1425.25743		306.485149	
776.946903		0	0				
1000.30643	366.397845	0	0				
1923.48627	926.605434	2	0	1541.4654	1112.84216	1214.32112	1162.54367
1642.63257	1251.77498	2	0	1776.7034	1036.04697	775.417099	451.166989
2613.33333	2573.86868	0	0				
637.714286		0	0				
975.718706	362.50213	0	0				
1752.26129	961.174617	2	0	1541.4654	1112.84216	1214.32112	1162.54367
1628.68834	1252.09313	1	0	2509.29923		456.393862	
2569.65256	2045.61301	0	0				
637.714286		0	0				
975.718706	362.50213	0	0				
1752.26129	961.174617	2	0	1541.4654	1112.84216	1214.32112	1162.54367

AnnotatedResults

1628.68834	1252.09313	1	0	2509.29923		456.393862	
2569.65256	2045.61301	0	0				
637.714286		0	0				
501.38435	217.721712	0	0				
722.668504	603.312222	1	0	385.4		1525.59048	
855.87499	915.985337	19	13	1301.95546	1143.20663	1475.28431	645.144072
		0	0				
810.948747	183.614484	0	0				
1329.13171	837.87257	0	0				
1670.76506	1167.98626	13	0	2044.81765	1079.91201	1344.96474	575.576187
		0	0				
810.948747	183.614484	0	0				
1329.13171	837.87257	0	0				
1670.76506	1167.98626	13	5	2044.81765	1079.91201	1344.96474	575.576187
		0	0				
1542.83369	1056.21369	0	0				
1525.22032	941.615134	0	0				
1553.95096	1189.14293	12	0	1761.83885	863.823081	1960.18594	939.497755
677.200537	51.643429	0	0				
1376.99773	877.665024	1	0	2017.33333		416	
1507.70216	888.668431	0	0				
1654.36573	1261.26693	12	0	1633.9502	696.776529	2183.18738	1104.01431
797.862423	268.595387	0	0				
1376.99773	877.665024	1	0	2017.33333		416	
1507.70216	888.668431	0	0				
1654.36573	1261.26693	12	2	1633.9502	696.776529	2183.18738	1104.01431
797.862423	268.595387	0	0				
633.394157	521.764374	1	0	1041.98473		562.427481	
447.606415	104.326434	0	0				
532.238196	214.134448	8	8	469.690091	147.985733	2006.69925	1037.8599
578.850867	336.976357	0	0				
623.41362	777.247164	18	9	489.249104	165.309024	1240.92005	517.797472
1167.51203	764.103732	1	0	963.083333		494.652778	
964.974308	345.288905	0	0				
827.017667	223.926038	2	2	848.737681	336.400415	3747.55652	360.591665
1025.52428	395.123805	0	0				
1723.87871	1514.58696	4	0	770.541156	157.737496	1890.26456	938.485909
1167.51203	764.103732	1	0	963.083333		494.652778	
964.974308	345.288905	0	0				
827.017667	223.926038	2	2	848.737681	336.400415	3747.55652	360.591665
1025.52428	395.123805	0	0				
1723.87871	1514.58696	4	0	770.541156	157.737496	1890.26456	938.485909
1023.51999	883.965801	0	0				
1300.67979	498.764818	1	0	1969.1875		535.4375	
829.634887	222.181376	1	1	1003.296		5505.36	
962.001598	271.909499	0	0				
1416.97915	1108.98695	8	0	1142.50147	869.443825	2786.79582	1192.11982
891.587329	723.014659	0	0				
1238.03479	486.36235	2	0	1576.38064	555.512796	462.399078	103.291927
928.967527	300.390389	3	2	944.231061	208.20366	3345.55366	2906.58187
1143.41669	749.95961	0	0				
1329.48136	1017.82001	8	0	1260.77219	900.720447	2765.49862	1198.53258
891.587329	723.014659	0	0				
1238.03479	486.36235	2	0	1576.38064	555.512796	462.399078	103.291927
928.967527	300.390389	3	2	944.231061	208.20366	3345.55366	2906.58187
1143.41669	749.95961	0	0				
1329.48136	1017.82001	8	2	1260.77219	900.720447	2765.49862	1198.53258
735.909645	633.956788	35	20	942.767745	774.77735	1325.91233	720.922154

AnnotatedResults

684.010365	692.277043	2	0	1529.03957	1481.97893	997.559573	376.410829
596.560385	292.609871	1	1	357.84		644.4	
485.492698	142.018503	0	0				
1249.43423	1468.91751	32	21	2205.37064	1876.32566	1603.77308	1049.56493
1182.52684	722.875033	21	0	1302.94605	842.628918	1449.23912	826.606134
1421.84199	947.365041	3	0	1290.07328	1114.4832	902.763712	354.83749
934.311433	265.193687	0	0				
1015.82195	470.977742	0	0				
2473.8	1843.68	24	12	3384.5	1978	1840.87	1070.42
1182.52684	722.875033	21	6	1302.94605	842.628918	1449.23912	826.606134
1421.84199	947.365041	3	2	1290.07328	1114.4832	902.763712	354.83749
934.311433	265.193687	0	0				
1015.82195	470.977742	0	0				
2473.79713	1843.68254	24	18	3384.50012	1977.99909	1840.87267	1070.42391
1264.92975	771.404171	23	0	1539.01311	918.505909	2187.78202	1009.77894
1250.8237	414.49157	1	0	1459.89216		460.058824	
948.392244	325.13263	0	0				
739.02676	173.271811	0	0				
2169.08149	1336.13269	21	9	2137.15092	1222.79966	1574.85112	778.654577
1253.37768	751.969767	24	0	1526.55712	918.392703	2120.16523	1004.90192
1573.04248	727.897836	1	0	1459.89216		460.058824	
957.253049	309.605465	0	0				
985.752709	449.153023	1	0	1918.34711		1280.24793	
2158.77553	1323.30858	21	10	2257.54166	1180.6942	1558.36847	798.394196
1253.37768	751.969767	24	4	1526.55712	918.392703	2120.16523	1004.90192
1573.04248	727.897836	1	0	1459.89216		460.058824	
957.253049	309.605465	0	0				
985.752709	449.153023	1	0	1918.34711		1280.24793	
2158.77553	1323.30858	21	10	2257.54166	1180.6942	1558.36847	798.394196
1241.25477	1181.7694	1	0	2736.88073		410.697248	
1060.87591	1153.20125	3	0	990.096276	751.891839	1189.18919	1290.50098
689.583495	634.240516	19	10	873.243928	576.81669	1431.59684	779.574201
743.931809	734.048713	71	60	936.324583	1041.39261	1693.83291	843.1121
2018.43115	1057.45575	2	0	2388.76616	492.308353	691.353149	396.907382
1798.29182	1173.95128	7	0	1467.13271	819.204098	1234.29684	844.691931
1262.82759	993.310783	13	0	1056.20135	616.101907	1643.70272	764.282999
1190.78236	991.745393	39	6	1480.65266	1271.76925	2017.13505	844.553338
2018.43115	1057.45575	2	0	2388.76616	492.308353	691.353149	396.907382
1798.29182	1173.95128	7	0	1467.13271	819.204098	1234.29684	844.691931
1262.82759	993.310783	13	2	1056.20135	616.101907	1643.70272	764.282999
1190.78236	991.745393	39	22	1480.65266	1271.76925	2017.13505	844.553338
1250.65286	723.453537	2	0	1474.21504	1133.68369	974.63888	297.673977
1559.47127	910.542074	8	0	1573.02982	828.211837	1241.92149	995.974719
1233.62373	981.853365	22	0	1220.20778	740.334633	1685.69729	1042.97577
1219.03578	1085.56095	45	8	1494.2955	1389.03035	2560.9469	996.176473
1263.56343	796.684202	3	0	2031.28412	1253.57932	864.596765	285.283461
1629.71457	964.860248	8	0	1543.12367	837.336026	1302.02876	955.805041
1374.14968	1080.00612	26	3	1264.5116	787.110347	1594.55116	1015.77688
1213.61568	1075.26363	45	8	1489.49799	1384.4013	2498.10955	1017.43637
1263.56343	796.684202	3	0	2031.28412	1253.57932	864.596765	285.283461
1629.71457	964.860248	8	0	1543.12367	837.336026	1302.02876	955.805041
1374.14968	1080.00612	26	4	1264.5116	787.110347	1594.55116	1015.77688
1213.61568	1075.26363	45	30	1489.49799	1384.4013	2498.10955	1017.43637
1129.44324	1337.91431	1	0	2674		2695.16129	
1011.5731	959.557769	0	0				
313.333333		0	0				
495.263817	181.876686	0	0				
419.747532	86.794672	0	0				

AnnotatedResults

1984.09744	975.669554	1	0	2674		2695.16129	
1690.0829		0	0				
		0	0				
754.595238		0	0				
1893.75953	544.379868	0	0				
1984.09744	975.669554	1	0	2674		2695.16129	
1690.0829		0	0				
		0	0				
754.595238		0	0				
1893.75953	544.379868	0	0				
927.264621	269.405231	0	0				
1994.7102	1295.16037	0	0				
1903.19231		1	0	1903.19231		311.416667	
744.39473	125.461693	2	0	681.896747	89.695514	411.851554	41.058376
1661.34154	838.728447	0	0				
1272.57919	627.706976	1	0	1963.20833		1208.92361	
1779.32247	1164.60249	1	0	3195.20339		900.751412	
1903.19231		1	0	1903.19231		311.416667	
819.954897	65.761123	2	0	795.236997	70.591805	405.224458	50.430505
1648.73905	1000.66353	0	0				
1272.57919	627.706976	1	0	1963.20833		1208.92361	
1779.32247	1164.60249	1	0	3195.20339		900.751412	
1903.19231		1	0	1903.19231		311.416667	
819.954897	65.761123	2	0	795.236997	70.591805	405.224458	50.430505
1648.73905	1000.66353	0	0				
705.886728	555.33323	0	0				
452.657947	138.536834	1	0	819.267894		1965.46421	
1180.68161	769.232608	0	0				
1089.45429	546.784063	4	0	1378.29712	578.574747	2093.13695	772.394725
1180.68161	769.232608	0	0				
1089.45429	546.784063	4	3	1378.29712	578.574747	2093.13695	772.394725
982.99098	424.6611	0	0				
814.72014	155.759856	2	0	804.951169	277.489434	2879.25571	753.679517
933.231427	377.706253	0	0				
844.791299	150.30653	2	0	802.123678	273.490759	2900.25461	783.376446
933.231427	377.706253	0	0				
844.791299	150.30653	2	0	802.123678	273.490759	2900.25461	783.376446
688.037882	861.662909	12	3	1049.81548	1478.02327	1536.06419	832.223724
581.418206	338.067695	0	0				
469.902044	99.397147	0	0				
		0	0				
798.877094	920.650271	16	11	609.693119	300.271574	1805.34181	548.39384
1668.8852	1389.9753	3	0	3014.50227	2069.78322	1394.18677	1494.26477
1028.16004	321.629216	0	0				
		0	0				
		0	0				
1223.22382	1045.22419	11	2	1513.00102	839.291234	1573.40103	676.730643
1668.8852	1389.9753	3	0	3014.50227	2069.78322	1394.18677	1494.26477
1028.16004	321.629216	0	0				
		0	0				
		0	0				
1223.22382	1045.22419	11	2	1513.00102	839.291234	1573.40103	676.730643
2173.7802	1345.90642	6	0	2955.3448	822.169196	721.971953	405.311862
1247.37411	854.899313	2	0	761.635468	175.98592	402.948708	56.194987
645.310957	24.235439	0	0				
		0	0				
1445.40202	1450.38702	3	0	857.653234	292.605187	1960.23915	622.33021
2186.01961	1409.59658	7	0	3252.70849	1068.59162	804.22326	429.98674

AnnotatedResults

1199.22952	846.655973	2	0	761.635468	175.98592	402.948708	56.194987
645.310957	24.235439	0	0				
		0	0				
1459.72049	1414.0494	5	0	998.077336	366.363376	1770.25083	938.045733
2186.01961	1409.59658	7	0	3252.70849	1068.59162	804.22326	429.98674
1199.22952	846.655973	2	0	761.635468	175.98592	402.948708	56.194987
645.310957	24.235439	0	0				
		0	0				
1459.72049	1414.0494	5	1	998.077336	366.363376	1770.25083	938.045733
570.443	362.647	10	6	966.304	673.643	1767.06	1287.48
532.053992	225.173829	0	0				
479.812895	266.151764	0	0				
915.827374	491.113089	9	0	1048.62008	685.592031	1749.42683	1394.01958
726.230604	116.210969	0	0				
872.080145	268.369663	0	0				
915.827374	491.113089	9	5	1048.62008	685.592031	1749.42683	1394.01958
726.230604	116.210969	0	0				
872.080145	268.369663	0	0				
881.542822	326.758761	12	7	982.152777	457.836229	2241.86601	1283.35479
737.139792	129.609509	1	0	603.313043		480.052174	
792.033333	183.329218	0	0				
884.449609	316.233508	11	7	1010.04844	465.305727	2417.28621	1219.53134
1164.52401	1123.61416	1	0	603.313043		480.052174	
862.742066	167.42033	0	0				
884.449609	316.233508	11	7	1010.04844	465.305727	2417.28621	1219.53134
1164.52401	1123.61416	1	0	603.313043		480.052174	
862.742066	167.42033	0	0				
744.727488	644.419297	0	0				
1037.98934	774.003505	1	0	1869.13376		1869.76911	
713.989142	732.53939	17	13	861.286485	1001.48939	1015.27607	599.636739
1303.44604	675.456683	1	0	1088.07692		359.538462	
1212.92951	568.721471	1	0	1869.13376		1869.76911	
1258.39671	1039.85173	8	2	1424.75104	1300.89653	913.229573	525.798852
1303.44604	675.456683	1	0	1088.07692		359.538462	
1212.92951	568.721471	1	0	1869.13376		1869.76911	
1258.39671	1039.85173	8	8	1424.75104	1300.89653	913.229573	525.798852
1267.19245	636.675637	1	0	1103.0303		406.666667	
2712.14414		0	0				
1084.85087	571.938044	4	0	981.23575	297.291065	1623.09611	572.030575
1707.55589	960.458948	1	0	1103.0303		406.666667	
1574.31765	986.933076	0	0				
1139.97791	573.248159	4	0	1055.24131	318.047667	1694.75459	564.446102
1707.55589	960.458948	1	0	1103.0303		406.666667	
1574.31765	986.933076	0	0				
1139.97791	573.248159	4	0	1055.24131	318.047667	1694.75459	564.446102
1181.21739	403.358303	1	0	1466.43478		764.93913	
1000.34569	520.904398	1	0	396.876404		396.404494	
		0	0				
334.493888		0	0				
778.857476	573.769602	0	0				
1209.96535	397.888937	1	0	1491.31532		682.09009	
1559.50236	948.791236	0	0				
		0	0				
		0	0				
		0	0				
1078.3221	538.326462	1	0	1581		859.871795	
1209.96535	397.888937	1	0	1491.31532		682.09009	
1559.50236	948.791236	0	0				
		0	0				

AnnotatedResults

		0	0				
1078.3221	538.326462	1	0	1581		859.871795	
3159.94783		0	0				
1504.95626	493.95253	0	0				
		0	0				
2083.14826	1141.12725	1	0	1362.5625		549.046875	
1055.21364	356.366585	2	0	1263.17575	184.876568	945.907794	177.763982
2029.07875	1599.29038	0	0				
1338.86222	511.384314	1	0	1075.70423		327.267606	
1014.35897		1	0	1014.35897		614.871795	
1781.49702	1173.13503	1	0	1179.45455		484.545455	
1055.21364	356.366585	2	0	1263.17575	184.876568	945.907794	177.763982
2029.07875	1599.29038	0	0				
1338.86222	511.384314	1	0	1075.70423		327.267606	
1014.35897		1	0	1014.35897		614.871795	
1781.49702	1173.13503	1	0	1179.45455		484.545455	
1055.21364	356.366585	2	0	1263.17575	184.876568	945.907794	177.763982
2343.64436	1916.86115	1	0	1761.9562		908.255474	
956.065718	1126.37027	0	0				
3091.99239	1880.95521	1	0	1761.9562		908.255474	
1784.98427	1313.64107	0	0				
3091.99239	1880.95521	1	0	1761.9562		908.255474	
1784.98427	1313.64107	0	0				
2257.12479	1706.49618	2	0	3009.68719	1557.61274	1184.69116	362.637057
1351.73368	720.392374	2	0	1467.57343	1226.05253	367.04345	6.269294
2257.12479	1706.49618	2	0	3009.68719	1557.61274	1184.69116	362.637057
1230.38962	689.784902	2	0	1467.57343	1226.05253	367.04345	6.269294
2257.12479	1706.49618	2	0	3009.68719	1557.61274	1184.69116	362.637057
1230.38962	689.784902	2	0	1467.57343	1226.05253	367.04345	6.269294
543.562273	504.212277	2	0	1879.76189	976.988824	450.257156	87.649766
1423.79606	1538.85037	6	2	2198.0261	2018.8241	1386.15794	428.265849
609.26493	503.352117	5	5	1451.55288	1067.71533	1449.22257	626.248057
745.071361	930.268414	20	17	1005.4286	1197.1886	1474.25065	713.322234
1088.09438	351.39811	1	0	1458.44805		496.616883	
2633.10995	1557.06425	4	0	3805.96345	985.328044	1358.6166	461.077339
1186.64951	881.503607	4	0	1950.30844	1012.90825	1548.52546	771.782891
1781.18036	1428.74943	14	0	2064.34494	1509.39582	2179.04952	1240.91406
1088.09438	351.39811	1	0	1458.44805		496.616883	
2633.10995	1557.06425	4	0	3805.96345	985.328044	1358.6166	461.077339
1186.64951	881.503607	4	0	1950.30844	1012.90825	1548.52546	771.782891
1781.18036	1428.74943	14	6	2064.34494	1509.39582	2179.04952	1240.91406
1861.32147	1235.7429	6	0	2060.88572	1223.90161	830.667503	316.798367
2104.22571	1311.41575	5	0	2832.19626	829.828765	1033.15692	523.236947
1543.14023	1108.35744	6	0	2289.90171	938.176298	1826.66437	870.784818
1639.62712	816.301038	14	0	1694.17398	886.356309	2470.44361	1022.61661
1565.27946	1098.97734	7	0	1934.92618	1230.6292	784.310392	316.238048
2272.72351	1377.19292	6	0	3088.46174	921.077997	1065.94163	474.862043
1529.05071	1106.15748	5	0	2541.15075	722.481762	1769.10109	949.903685
1500.76156	850.395442	14	0	1657.8316	928.165998	2494.67037	968.56376
1565.27946	1098.97734	7	0	1934.92618	1230.6292	784.310392	316.238048
2272.72351	1377.19292	6	0	3088.46174	921.077997	1065.94163	474.862043
1529.05071	1106.15748	5	0	2541.15075	722.481762	1769.10109	949.903685
1500.76156	850.395442	14	7	1657.8316	928.165998	2494.67037	968.56376
769.626724	315.550566	0	0				
		0	0				
985.668861	45.68228	1	0	1034.52632		408.315789	
		0	0				
985.668861	45.68228	1	0	1034.52632		408.315789	

AnnotatedResults

		0	0				
1894.22816	710.831302	0	0				
		0	0				
1692.52245	732.805824	0	0				
2904		0	0				
1692.52245	732.805824	0	0				
2904		0	0				
568.219133	430.402274	0	0				
623.946986	391.924395	4	0	1022.56959	502.356311	462.560034	181.921298
454.674598	153.532338	5	2	426.774777	95.25897	1059.09442	771.381164
1283.20082	637.387212	0	0				
969.598898	409.11799	2	0	1231.45319	477.338019	510.227273	261.308097
913.779843	435.79212	3	0	779.560111	100.190642	807.504688	325.7796
1283.20082	637.387212	0	0				
969.598898	409.11799	2	0	1231.45319	477.338019	510.227273	261.308097
913.779843	435.79212	3	0	779.560111	100.190642	807.504688	325.7796
959.384494	379.712381	1	0	1045		366.710526	
1168.07925	482.421204	2	0	1237.42322	660.763889	740.18433	465.233151
854.311821	212.138629	0	0				
1125.1288	340.811612	1	0	1045		366.710526	
1538.10823	920.202024	4	0	1056.00177	441.40491	866.961573	430.628542
878.626103	197.50778	0	0				
1125.1288	340.811612	1	0	1045		366.710526	
1538.10823	920.202024	4	0	1056.00177	441.40491	866.961573	430.628542
878.626103	197.50778	0	0				
488.991138	102.456213	0	0				
2063.39545	2831.10244	0	0				
899.231221	1068.44282	5	1	1223.17093	968.449744	2017.79915	788.52092
1152.61941	882.353063	21	4	1011.79079	730.998665	1334.18676	645.658667
		0	0				
5321.67102		0	0				
807.569255	148.667474	2	0	896.927243	183.277221	1931.9465	782.18647
1462.67205	915.454902	20	0	1520.09068	1160.94649	1731.86163	1083.20303
		0	0				
5321.67102		0	0				
807.569255	148.667474	2	0	896.927243	183.277221	1931.9465	782.18647
1462.67205	915.454902	20	0	1520.09068	1160.94649	1731.86163	1083.20303
1366.64502	1096.64679	1	0	1251.95257		1640.06324	
3009.61503	2038.27859	0	0				
		0	0				
1597.58003	845.653134	7	0	2048.34471	1315.86999	1424.36624	999.064267
1229.52944	997.987502	1	0	1251.95257		1640.06324	
1798.43532	1652.67164	1	0	1408.47248		318.082569	
2505.76546	2521.40778	1	0	722.860927		3107.39073	
1604.93154	844.381388	11	0	2426.23131	1547.5006	1628.0089	1301.53773
1229.52944	997.987502	1	0	1251.95257		1640.06324	
1798.43532	1652.67164	1	0	1408.47248		318.082569	
2505.76546	2521.40778	1	0	722.860927		3107.39073	
1604.93154	844.381388	11	0	2426.23131	1547.5006	1628.0089	1301.53773
834.265445	1071.86663	1	0	381.982301		1200.84956	
849.35648	591.514387	1	0	448.966767		446.108761	
756.987993	431.830462	0	0				
715.9526	339.398614	0	0				
553.112662	341.675051	0	0				
462.473	174.794	1	0	306.278		1515.49	
		0	0				
590.688509	636.594015	1	0	3352.47134		812.318471	
1381.09887	1073.041	0	0				

AnnotatedResults

1485.6723	797.769378	0	0				
1108.97734	430.251836	0	0				
955.943662		0	0				
1590.42148	246.203897	2	0	1514.51943	237.851055	506.572362	93.274802
861.201204	180.949293	1	0	1031.40029		303.170306	
940.496241		0	0				
1812.39072	1060.03114	2	0	2499.20079	1206.70679	890.066212	109.95191
1381.09887	1073.041	0	0				
1485.6723	797.769378	0	0				
1108.97734	430.251836	0	0				
955.943662		0	0				
1590.42148	246.203897	2	0	1514.51943	237.851055	506.572362	93.274802
861.201204	180.949293	1	0	1031.40029		303.170306	
940.496241		0	0				
1812.39072	1060.03114	2	0	2499.20079	1206.70679	890.066212	109.95191
833.812788	257.711313	2	0	685.088469	10.8029	321.829164	21.421582
1863.28983	821.567952	0	0				
1038.3819	355.958693	0	0				
2007.73125	1325.78264	0	0				
979.470307	370.407885	1	0	754		400.903885	
1125.07386	524.763036	1	0	1319.09278		568.746392	
3436.76744		0	0				
1388.4952	1513.87023	1	0	4445.42675		890.828025	
969.532528	353.849075	1	0	692.727273		306.681818	
1694.38463	779.833842	2	0	1403.24561	147.582696	377.488889	48.931789
1085.28354	377.076039	1	0	1364.74138		549.137931	
1709.51466	1235.93377	0	0				
1017.63776	410.104097	1	0	754.332651		401.314227	
1097.934	502.140026	1	0	1319.09278		568.746392	
1926.22819	1370.26964	0	0				
1289.63209	1407.88519	1	0	4445.42675		890.828025	
969.532528	353.849075	1	0	692.727273		306.681818	
1694.38463	779.833842	2	0	1403.24561	147.582696	377.488889	48.931789
1085.28354	377.076039	1	0	1364.74138		549.137931	
1709.51466	1235.93377	0	0				
1017.63776	410.104097	1	0	754.332651		401.314227	
1097.934	502.140026	1	0	1319.09278		568.746392	
1926.22819	1370.26964	0	0				
1289.63209	1407.88519	1	0	4445.42675		890.828025	
3956.15617	398.13589	0	0				
1742.94053	1912.75478	3	0	1742.94053	1912.75478	1430.42313	1349.70326
2585.01022		0	0				
3956.15617	398.13589	0	0				
3383.74812	619.840748	3	0	3383.74812	619.840748	1683.41902	1156.23088
2601.64568		0	0				
3956.15617	398.13589	0	0				
3383.74812	619.840748	3	0	3383.74812	619.840748	1683.41902	1156.23088
2601.64568		0	0				
1906.93188		0	0				
1434.59345	866.865466	3	0	1697.37351	502.200893	1174.67242	857.839448
682.16129		0	0				
1906.93188		0	0				
1462.52549	844.924337	3	0	1702.40508	507.48433	1165.62108	839.694111
800.630645	167.540968	0	0				
1906.93188		0	0				
1462.52549	844.924337	3	0	1702.40508	507.48433	1165.62108	839.694111
800.630645	167.540968	0	0				
520.335124	227.336785	0	0				

AnnotatedResults

413.876148	88.508169	0	0				
747.805085	628.054466	12	0	1021.6681	798.305773	1205.79698	566.262636
2119.36476	2019.76748	2	0	3867.92819	65.683762	3867.59852	65.217538
930.099476	202.120246	0	0				
1730.5347	1877.06687	1	0	4538.34286		4539.6898	
1524.65543	897.811341	6	0	1688.80687	579.769654	958.957537	557.765873
2942.95438	1076.78613	4	0	2942.95438	1076.78613	2940.96919	1078.88797
930.099476	202.120246	0	0				
1730.5347	1877.06687	1	0	4538.34286		4539.6898	
1524.65543	897.811341	6	0	1688.80687	579.769654	958.957537	557.765873
2942.95438	1076.78613	4	0	2942.95438	1076.78613	2940.96919	1078.88797
1286.87827	861.554474	0	0				
1139.28248	452.163114	0	0				
1665.96459	1052.10656	10	0	2044.67261	1285.69884	914.019644	650.166385
1882.38591	1431.63197	1	0	3925.27559		3929.15847	
1202.28428	791.952516	0	0				
1349.39456	645.853424	0	0				
1567.17816	911.98595	9	0	1906.27106	1146.56308	916.314891	651.956289
1489.72567	1144.40921	1	0	3925.27559		3929.15847	
1202.28428	791.952516	0	0				
1349.39456	645.853424	0	0				
1567.17816	911.98595	9	3	1906.27106	1146.56308	916.314891	651.956289
1489.72567	1144.40921	1	0	3925.27559		3929.15847	
1028.23362	1127.86916	0	0				
366.912619	58.755999	0	0				
689.389738	614.958277	15	10	780.069006	741.843197	1618.11259	1045.59348
990.756199	1265.07716	4	2	2492.12375	2609.75528	965.135339	399.129829
1462.15794	1192.10381	0	0				
		0	0				
986.537265	653.731513	8	0	1137.29085	811.343203	1986.2625	1066.87348
2409.76066	1795.77821	4	0	3880.72314	1809.45618	897.225303	186.064939
1462.15794	1192.10381	0	0				
		0	0				
986.537265	653.731513	8	5	1137.29085	811.343203	1986.2625	1066.87348
2409.76066	1795.77821	4	4	3880.72314	1809.45618	897.225303	186.064939
791.454748	46.776598	0	0				
1958.41845	1515.09536	0	0				
1634.32414	1324.31669	4	0	784.500458	195.137097	2886.70307	1334.59548
2813.31911	1758.55734	10	0	3815.38172	1398.16872	1177.70806	757.228904
1106.58543	649.146401	0	0				
1380.24074	936.379331	0	0				
1519.03286	1224.43614	5	0	772.215739	181.791404	2674.19202	1262.54663
2592.82263	1699.77757	11	0	3524.64311	1492.49417	1133.73629	682.451076
1106.58543	649.146401	0	0				
1380.24074	936.379331	0	0				
1519.03286	1224.43614	5	3	772.215739	181.791404	2674.19202	1262.54663
2592.82263	1699.77757	11	8	3524.64311	1492.49417	1133.73629	682.451076
710.653799	705.257525	31	22	732.713669	697.614154	2052.06564	913.65805
		0	0				
		0	0				
929.12097	833.074108	1	0	554.549451		784.527473	
385.325455		0	0				
1248.73185	935.165633	10	2	1470.59489	896.176962	1877.43982	1043.5774
		0	0				
		0	0				
2316.32142	1075.86734	0	0				
707.09636		0	0				
1248.73185	935.165633	10	2	1470.59489	896.176962	1877.43982	1043.5774

AnnotatedResults

		0	0				
		0	0				
2316.32142	1075.86734	0	0				
707.09636		0	0				
1449.24541	1047.20481	20	0	2052.15037	1107.3677	2011.18615	1366.87583
		0	0				
		0	0				
1732.12627	1095.38376	0	0				
995.987261		0	0				
1423.65039	975.233819	18	3	2077.01796	958.841982	1967.67529	1398.09133
		0	0				
		0	0				
1739.4008	1068.7314	0	0				
1003.08532	362.508688	0	0				
1423.65039	975.233819	18	13	2077.01796	958.841982	1967.67529	1398.09133
		0	0				
		0	0				
1739.4008	1068.7314	0	0				
1003.08532	362.508688	0	0				
607.629181	386.078966	0	0				
4473.95149		0	0				
592.940078	355.404288	2	0	1035.376	642.717863	1952.42109	401.688231
1065.89381	1095.92592	37	33	966.531746	723.934824	1250.73725	660.287649
965.072304	1312.37614	2	0	440.15264	193.020315	884.926568	74.378065
1235.00851	551.390598	0	0				
4473.95149		0	0				
925.35963	347.085415	1	0	1499.16041		1608.79522	
1446.23964	1081.23004	31	9	1158.16899	509.061712	1518.21109	666.102814
2466.64337	1877.54439	1	0	623.611872		998.228311	
1235.00851	551.390598	0	0				
4473.95149		0	0				
925.35963	347.085415	1	0	1499.16041		1608.79522	
1446.23964	1081.23004	31	14	1158.16899	509.061712	1518.21109	666.102814
2466.64337	1877.54439	1	0	623.611872		998.228311	
1583.36513	1076.28635	0	0				
		0	0				
1390.11201	1006.71387	3	0	1851.25043	1105.9051	2285.95455	540.413437
1417.16217	838.216126	18	0	1411.90881	819.264413	1835.10335	844.37152
2096.05312	1534.52078	3	0	1374.03479	708.584297	993.594084	463.759844
1686.20394	1140.13132	0	0				
		0	0				
1493.29072	929.644372	3	0	1908.65384	1008.86319	1603.22505	1183.06959
1386.46703	851.390418	16	0	1422.47806	858.086874	1744.25794	844.607599
2174.40006	1494.30278	3	0	1367.51582	698.618942	989.251932	454.889287
1686.20394	1140.13132	0	0				
		0	0				
1493.29072	929.644372	3	0	1908.65384	1008.86319	1603.22505	1183.06959
1386.46703	851.390418	16	8	1422.47806	858.086874	1744.25794	844.607599
2174.40006	1494.30278	3	0	1367.51582	698.618942	989.251932	454.889287
471.596859		0	0				
527.783699		0	0				
		0	0				
		0	0				
		0	0				
787.907289	232.973157	0	0				
		0	0				
		0	0				
		0	0				
		0	0				

AnnotatedResults

		0	0				
787.907289	232.973157	0	0				
		0	0				
		0	0				
		0	0				
		0	0				
1422.13675	746.977751	1	0	1918.7037		629.240741	
730.480583		0	0				
1156.41703	123.082417	0	0				
		0	0				
908.546218		0	0				
1441.77631	776.743673	1	0	1918.7037		629.240741	
945.093493	527.583366	0	0				
1040.20885	170.998014	0	0				
		0	0				
1124.70111		0	0				
1441.77631	776.743673	1	0	1918.7037		629.240741	
945.093493	527.583366	0	0				
1040.20885	170.998014	0	0				
		0	0				
1124.70111		0	0				
811.50323	1016.50572	38	24	874.325197	1085.98168	1200.30758	561.246139
854.119569	735.206119	15	10	1339.02192	1067.15598	1491.2307	561.891477
680.892034	663.572911	11	6	1069.97533	903.652811	1572.0715	959.193909
672.184094	611.894441	38	24	595.57479	405.224268	2035.58127	977.518398
962.249389	1042.63619	1	1	716.234043		334.212766	
1473.09983	1432.4456	14	2	1644.3733	1525.36686	1040.44596	466.553613
1298.63001	930.667075	11	0	1683.19997	1155.60906	1742.00915	732.542129
1453.97071	973.682926	11	0	1319.2648	814.743242	1424.97863	908.101372
1144.73776	878.010831	14	5	866.308018	563.56771	2378.45184	986.987461
1477.64416	808.666253	2	0	1220.61479	720.838131	419.430441	121.739849
1473.09983	1432.4456	14	5	1644.3733	1525.36686	1040.44596	466.553613
1298.63001	930.667075	11	0	1683.19997	1155.60906	1742.00915	732.542129
1453.97071	973.682926	11	0	1319.2648	814.743242	1424.97863	908.101372
1144.73776	878.010831	14	5	866.308018	563.56771	2378.45184	986.987461
1477.64416	808.666253	2	0	1220.61479	720.838131	419.430441	121.739849
1534.75831	1493.50326	20	6	1939.98428	2063.07109	1399.36825	931.576407
1312.96273	1005.54945	7	0	1794.11046	1379.78345	1469.2995	575.156406
1718.87832	1932.51994	15	0	2505.07783	2386.06249	1568.15582	1186.36143
1168.71375	908.686054	13	3	1177.81476	921.050201	2594.31176	1257.97611
1291.91153	780.482673	1	0	950.147059		312.382353	
1502.15675	1483.73296	20	5	1851.26034	2074.54002	1438.50655	877.183465
1235.02279	963.117964	7	0	1786.71744	1385.50401	1454.02983	580.480189
1585.97	1832.5188	16	0	2407.08925	2332.58059	1522.23572	1172.65667
1218.0925	928.559785	14	3	1183.18749	931.584777	2589.12336	1280.88298
1278.01874	734.668711	2	0	1320.49926	536.802843	498.293805	267.207578
1502.15675	1483.73296	20	9	1851.26034	2074.54002	1438.50655	877.183465
1235.02279	963.117964	7	1	1786.71744	1385.50401	1454.02983	580.480189
1585.97	1832.5188	16	2	2407.08925	2332.58059	1522.23572	1172.65667
1218.0925	928.559785	14	10	1183.18749	931.584777	2589.12336	1280.88298
1278.01874	734.668711	2	0	1320.49926	536.802843	498.293805	267.207578
667.689409	469.229452	1	0	336.509434		1499.89623	
674.740212	642.320739	0	0				
542.474609	386.627854	3	0	410.291867	102.34788	909.907565	452.75452
883.796214	1100.40998	53	49	1087.15475	1309.73084	1892.11517	993.03593
692.1173	342.527994	1	0	524.595		364.08	
986.020633	504.399601	0	0				
1088.37646	699.767356	0	0				

AnnotatedResults

1158.26736	808.787295	0	0				
2052.75527	1632.13207	27	9	2036.87425	1674.47086	2196.27959	1350.94847
747.414141	51.111678	0	0				
986.020633	504.399601	0	0				
1088.37646	699.767356	0	0				
1158.26736	808.787295	0	0				
2052.75527	1632.13207	27	20	2036.87425	1674.47086	2196.27959	1350.94847
747.414141	51.111678	0	0				
1381.91412	762.512238	0	0				
1313.7947	678.795401	0	0				
804.805062	62.348193	0	0				
1534.56217	962.363701	34	17	1501.68743	922.09995	2173.00103	1892.68076
991.430594	355.944965	1	0	1243.12169		856.873016	
1405.12526	765.208506	0	0				
1326.0468	629.397167	0	0				
1860.85241	1617.29907	0	0				
1729.81734	1019.34876	37	20	1600.43632	911.044257	2030.49989	1839.05284
907.964062	232.524721	1	0	1243.12169		856.873016	
1405.12526	765.208506	0	0				
1326.0468	629.397167	0	0				
1860.85241	1617.29907	0	0				
1729.81734	1019.34876	37	24	1600.43632	911.044257	2030.49989	1839.05284
907.964062	232.524721	1	0	1243.12169		856.873016	
877.666724	907.00824	1	0	2222.71539		436.5	
548.996463	502.187126	11	5	844.536435	857.367399	1208.11885	518.99138
965.864778	481.838815	1	0	625.153285		605.883212	
		0	0				
		0	0				
1489.21023	1248.2312	1	0	2371.84298		468.966942	
1058.07954	792.663955	5	0	1384.06633	978.165641	1182.37266	378.786145
965.864778	481.838815	1	0	625.153285		605.883212	
		0	0				
		0	0				
1489.21023	1248.2312	1	0	2371.84298		468.966942	
1058.07954	792.663955	5	0	1384.06633	978.165641	1182.37266	378.786145
965.864778	481.838815	1	0	625.153285		605.883212	
		0	0				
		0	0				
2845.54112	294.772446	1	0	2637.10553		1454.95477	
1779.71692	1250.62255	7	0	1950.16337	1259.59778	1154.68601	579.468495
1417.28571	1071.85266	0	0				
1661.83862	662.380159	0	0				
1535.0498	1300.98701	1	0	3021.35417		1705.25	
1726.33785	1034.75066	2	0	1836.76304	1131.8552	918.650284	758.449083
1615.53998	1211.71924	6	0	2123.72504	1294.08613	1265.58446	592.514139
1147.11296	890.737908	0	0				
1193.46512		0	0				
1535.0498	1300.98701	1	0	3021.35417		1705.25	
1726.33785	1034.75066	2	0	1836.76304	1131.8552	918.650284	758.449083
1615.53998	1211.71924	6	0	2123.72504	1294.08613	1265.58446	592.514139
1147.11296	890.737908	0	0				
1193.46512		0	0				
1535.0498	1300.98701	1	0	3021.35417		1705.25	
741.437573	727.216634	11	5	1159.59112	852.588967	1185.80591	446.388925
777.541537	758.585394	29	21	1015.07456	840.443618	1918.33973	861.012955
477.766568	182.258346	0	0				
446.284404		0	0				
1252.46966	867.063116	11	0	1394.41121	747.665885	1206.73993	733.547594

AnnotatedResults

1348.37069	1058.34914	16	0	1453.91468	809.330748	2087.78074	965.127466
830.17931		0	0				
2326.86751	234.444134	1	0	2492.64455		355.78673	
1252.46966	867.063116	11	0	1394.41121	747.665885	1206.73993	733.547594
1348.37069	1058.34914	16	9	1453.91468	809.330748	2087.78074	965.127466
830.17931		0	0				
2326.86751	234.444134	1	0	2492.64455		355.78673	
2173.66369	1412.88498	15	0	2259.43799	1089.71464	1306.22462	888.3721
1159.22242	715.574375	10	0	1502.46778	717.162368	1961.10178	883.777868
2119.19327	1403.81658	1	0	2483.96342		1808.90244	
2292.95402	1508.51533	0	0				
2121.2218	1391.39235	16	8	2288.29613	1155.20224	1277.5613	867.123268
1310.11306	908.241047	10	0	1593.05057	713.969544	2040.25253	790.924987
2316.28021	1422.34481	1	0	2483.96342		1808.90244	
2200.06972	1580.10313	0	0				
2121.2218	1391.39235	16	8	2288.29613	1155.20224	1277.5613	867.123268
1310.11306	908.241047	10	6	1593.05057	713.969544	2040.25253	790.924987
2316.28021	1422.34481	1	0	2483.96342		1808.90244	
2200.06972	1580.10313	0	0				
826.772727		1	0	826.772727		414.978355	
1723.89933	1665.19733	0	0				
674.910572	539.6105	23	21	1065.69969	830.137739	1921.84792	862.244251
857.113	764.011	47	37	1326.35	980.276	1428.01	739.81
826.772727		1	0	826.772727		414.978355	
2297.09559	1890.6191	0	0				
1072.5854	668.852216	20	0	1250.60171	844.133814	2166.48159	851.751357
1349.51729	823.66122	38	18	1621.07957	881.255471	1462.9124	804.215047
826.772727		1	0	826.772727		414.978355	
2297.09559	1890.6191	0	0				
1072.5854	668.852216	20	11	1250.60171	844.133814	2166.48159	851.751357
1349.51729	823.66122	38	24	1621.07957	881.255471	1462.9124	804.215047
657.042254		1	0	657.042254		357.866197	
2267.31131	2016.22643	1	0	813.082873		575.038674	
1104.66078	710.329738	23	0	1245.47661	863.947283	2910.80793	955.277945
1432.97119	974.057303	43	20	1714.56228	1029.97485	1769.18263	1040.37284
657.042254		1	0	657.042254		357.866197	
1926.0768	1782.09895	1	0	813.082873		575.038674	
1092.52231	697.530936	24	0	1218.18229	841.07347	2877.99215	948.710578
1487.14861	995.793683	43	22	1747.11682	1023.38519	1753.00654	1048.86356
657.042254		1	0	657.042254		357.866197	
1926.0768	1782.09895	1	0	813.082873		575.038674	
1092.52231	697.530936	24	13	1218.18229	841.07347	2877.99215	948.710578
1487.14861	995.793683	43	32	1747.11682	1023.38519	1753.00654	1048.86356
654.046528	445.665799	12	9	1099.01096	732.486627	1800.51006	901.168555
1043.29	1019.11	74	68	1545.19	1192.06	1366.56	752.218
652.79484	344.781725	11	6	1026.44162	530.094835	1851.88039	835.319696
523.560972	264.376173	0	0				
774.843047	586.886096	4	4	1415.64401	526.604172	832.309295	611.210621
1174.66749	799.112362	15	6	1617.4607	1064.7402	2019.5778	921.88347
1961.08672	1090.83085	45	33	2182.97761	1106.20109	1274.20854	769.255044
968.125773	384.523679	8	0	1281.0266	508.315527	2077.85687	778.275751
835.941985	144.393317	0	0				
1709.63705	1222.55236	4	0	2819.93371	1232.75334	665.888007	320.463266
1174.66749	799.112362	15	14	1617.4607	1064.7402	2019.5778	921.88347
1961.08672	1090.83085	45	35	2182.97761	1106.20109	1274.20854	769.255044
968.125773	384.523679	8	4	1281.0266	508.315527	2077.85687	778.275751
835.941985	144.393317	0	0				
1709.63705	1222.55236	4	0	2819.93371	1232.75334	665.888007	320.463266

AnnotatedResults

1110.15615	673.230077	20	17	1488.14765	835.267943	2629.37561	1156.07702
2156.8886	1111.28599	51	41	2378.36249	1096.22761	1457.65359	876.132405
998.494966	501.222441	10	0	1099.91769	511.465057	2425.25303	749.452812
715.60719	95.57428	0	0				
1995.94198	1046.16198	8	0	2594.55588	666.665599	958.166227	647.994585
1141.18375	685.847626	20	17	1497.56043	840.227443	2621.43318	1155.84931
2217.09868	1094.95399	49	39	2458.4815	1065.60168	1566.63485	917.135604
981.018806	487.646445	10	0	1100.60998	513.319827	2438.19255	750.817958
844.270321	351.170081	0	0				
1730.76789	1078.89405	8	0	2597.94727	664.638628	974.091736	632.013296
1141.18375	685.847626	20	17	1497.56043	840.227443	2621.43318	1155.84931
2217.09868	1094.95399	49	43	2458.4815	1065.60168	1566.63485	917.135604
981.018806	487.646445	10	4	1100.60998	513.319827	2438.19255	750.817958
844.270321	351.170081	0	0				
1730.76789	1078.89405	8	4	2597.94727	664.638628	974.091736	632.013296
588.451976	347.115522	1	0	382.949153		872.983051	
463.68692	163.869199	3	0	514.052788	278.507569	1193.75441	478.23199
		0	0				
689.86239	620.069827	0	0				
893.911251	262.793988	0	0				
982.718539	679.990999	2	0	727.573577	135.613997	1263.05051	403.43198
1431.91304		1	0	1431.91304		707.826087	
682.539283	61.715751	0	0				
893.911251	262.793988	0	0				
982.718539	679.990999	2	0	727.573577	135.613997	1263.05051	403.43198
1431.91304		1	0	1431.91304		707.826087	
682.539283	61.715751	0	0				
1275.3318	712.180065	1	0	663.29661		311.79661	
1519.7554	1221.98016	2	0	841.233661	121.32093	434.447136	77.347992
2263.71504	2092.63308	0	0				
2311.89895	1334.40329	0	0				
1289.54612	710.356254	1	0	663.29661		311.79661	
1463.56904	1075.86285	3	0	808.644707	105.793285	1044.80239	1046.01188
1853.83067	1319.09425	0	0				
1768.30155	1332.97055	0	0				
1289.54612	710.356254	1	0	663.29661		311.79661	
1463.56904	1075.86285	3	0	808.644707	105.793285	1044.80239	1046.01188
1853.83067	1319.09425	0	0				
1768.30155	1332.97055	0	0				
405.50158	89.816547	3	1	426.07903	97.774892	2509.46254	691.397871
691.402895	678.018157	2	1	479.474542	3.807239	415.652839	16.939611
		0	0				
		0	0				
597.126	318.394	0	0				
		0	0				
1404.92895	1080.23386	0	0				
2031.4		1	0	2031.4		1120.6	
		0	0				
		0	0				
1404.92895	1080.23386	0	0				
2031.4		1	0	2031.4		1120.6	
		0	0				
605.252404		0	0				
1835.88732	996.621751	1	0	712.60274		629.315068	
1342.08633		1	0	1342.08633		1616.11511	
2146.92806	1435.99687	1	0	2149.63636		320.113636	
1814.83331	1712.23971	0	0				
1790.21127	818.849895	1	0	712.60274		629.315068	
1272.56367	192.983258	2	0	1272.56367	192.983258	1164.61293	692.738653

AnnotatedResults

1914.63085	1208.27582	1	0	2552.11765		431.470588	
1814.83331	1712.23971	0	0				
1790.21127	818.849895	1	0	712.60274		629.315068	
1272.56367	192.983258	2	0	1272.56367	192.983258	1164.61293	692.738653
1914.63085	1208.27582	1	0	2552.11765		431.470588	
		0	0				
		0	0				
		0	0				
		0	0				
		0	0				
		0	0				
722.602721	1012.73217	10	8	875.469265	1080.47203	1803.34279	929.331514
1034.1823	571.226835	16	7	1296.65283	1199.74949	1948.60752	1249.4749
568.537857	253.287543	0	0				
571.923835	251.706164	0	0				
2516.44179	1816.35047	2	2	4292.7692	106.143671	4292.7692	106.143671
1629.45354	1646.98571	5	0	1388.45226	1406.96601	1820.94137	1167.63191
1181.8711	539.050287	14	0	1577.82719	1171.54815	2081.55332	1296.71628
946.452069	261.567775	0	0				
983.59974	55.127325	0	0				
3448.17269	1980.79804	1	0	4367.8241		4367.8241	
1629.45354	1646.98571	5	0	1388.45226	1406.96601	1820.94137	1167.63191
1181.8711	539.050287	14	6	1577.82719	1171.54815	2081.55332	1296.71628
946.452069	261.567775	0	0				
983.59974	55.127325	0	0				
3448.17269	1980.79804	1	0	4367.8241		4367.8241	
1397.52445	1053.80315	3	0	1715.40136	1359.28349	1584.13512	920.763279
1111.99966	388.587471	14	9	1101.85314	306.112156	3227.90882	1177.45831
1090.56869	293.62301	0	0				
927.855718	175.718985	0	0				
1980.69798	1420.53336	0	0				
1359.6656	1015.90192	3	0	1715.40136	1359.28349	1584.13512	920.763279
1098.6924	381.876042	15	10	1095.24283	308.267649	3168.15804	1198.27918
896.256944	188.967075	0	0				
1052.69972	460.855091	0	0				
1797.44756	1323.08032	0	0				
1359.6656	1015.90192	3	0	1715.40136	1359.28349	1584.13512	920.763279
1098.6924	381.876042	15	10	1095.24283	308.267649	3168.15804	1198.27918
896.256944	188.967075	0	0				
1052.69972	460.855091	0	0				
1797.44756	1323.08032	0	0				
770.012588	842.067667	3	1	1525.77071	1543.93961	1338.4983	639.234016
780.287782	735.176755	13	4	1382.80792	1203.82723	1387.33716	956.457158
909.537104	778.170391	0	0				
559.721558	256.137811	0	0				
923.564064	526.498258	2	0	1166.2381	821.08566	511.68609	53.072883
1755.83168	1144.00422	3	0	1607.47275	1461.70814	1368.14954	641.458065
1480.23428	1010.03694	11	0	2074.36886	1281.68539	1574.85506	1195.5543
1265.55377	815.172407	1	0	951.845714		302.9	
1140.55772		0	0				
1014.9	284.766	1	0	1165.12		413.6	
1755.83168	1144.00422	3	0	1607.47275	1461.70814	1368.14954	641.458065
1480.23428	1010.03694	11	0	2074.36886	1281.68539	1574.85506	1195.5543
1265.55377	815.172407	1	0	951.845714		302.9	
1140.55772		0	0				
1014.89667	284.76574	1	0	1165.12		413.6	
1523.38448	991.215227	2	0	1151.19577	198.498716	2547.64021	381.643114
974.362605	554.712932	6	0	1561.73874	907.200313	2171.13187	1393.41919

AnnotatedResults

1585.37331	753.660849	2	0	1448.77482	249.422072	526.389104	45.279831
1129.50453	549.877427	0	0				
1316.81022	96.326122	1	0	1248.69737		423.065789	
1612.77089	1039.0948	2	0	1151.19577	198.498716	2547.64021	381.643114
1251.26443	856.250036	9	0	2049.61308	1007.22776	1722.31683	1238.4072
1507.0143	955.63823	2	0	1448.77482	249.422072	526.389104	45.279831
1351.05385	488.059865	1	0	925.883721		685.186047	
1316.81022	96.326122	1	0	1248.69737		423.065789	
1612.77089	1039.0948	2	0	1151.19577	198.498716	2547.64021	381.643114
1251.26443	856.250036	9	0	2049.61308	1007.22776	1722.31683	1238.4072
1507.0143	955.63823	2	0	1448.77482	249.422072	526.389104	45.279831
1351.05385	488.059865	1	0	925.883721		685.186047	
1316.81022	96.326122	1	0	1248.69737		423.065789	
3080.61037	2042.03566	2	0	2048.43801	1395.54313	630.055342	354.169057
1217.76186	627.986354	1	0	1913.89899		1911.49495	
633.41	346.845	1	0	1302.17		403.019	
		0	0				
3720.72747	1587.51072	4	0	2961.45565	1373.39907	532.720088	251.512327
1214.39473	629.397214	1	0	1913.89899		1911.49495	
953.235284	242.281522	1	0	1302.16981		403.018868	
		0	0				
3720.72747	1587.51072	4	0	2961.45565	1373.39907	532.720088	251.512327
1214.39473	629.397214	1	0	1913.89899		1911.49495	
953.235284	242.281522	1	0	1302.16981		403.018868	
		0	0				
		0	0				
620.333333		0	0				
1286.78408	465.866229	0	0				
		0	0				
1088.58566	784.271483	1	0	1993.72881		596.745763	
620.333333		0	0				
1055.01343	295.260458	0	0				
		0	0				
1088.58566	784.271483	1	0	1993.72881		596.745763	
620.333333		0	0				
1055.01343	295.260458	0	0				
		0	0				
546.598929	431.804115	3	0	1735.03198	713.094822	1179.21044	214.588158
365.83536	93.385038	1	1	1104.10714		348.75	
432.616889	272.110522	0	0				
996.536683	584.029712	3	0	1739.49939	735.520386	1176.88989	198.256223
1041.30769	54.719186	1	0	1080		340.639535	
1077.00403	450.436332	0	0				
996.536683	584.029712	3	0	1739.49939	735.520386	1176.88989	198.256223
1041.30769	54.719186	1	0	1080		340.639535	
1077.00403	450.436332	0	0				
1135.07535	614.380383	3	0	1604.5164	729.29794	1503.40899	1164.0125
1171.81061	769.835724	1	0	1716.16667		935.666667	
926.103333	297.273621	2	0	1431.28705	130.753294	373.059105	49.341364
1139.14998	624.537196	3	0	1614.02386	745.76055	1514.24074	1181.30204
1171.81061	769.835724	1	0	1716.16667		935.666667	
909.833357	295.547373	2	0	1431.28705	130.753294	373.059105	49.341364
1139.14998	624.537196	3	0	1614.02386	745.76055	1514.24074	1181.30204
1171.81061	769.835724	1	0	1716.16667		935.666667	
909.833357	295.547373	2	0	1431.28705	130.753294	373.059105	49.341364
532.191791	243.170416	0	0				
1226.70151	517.920814	0	0				
307.184615		0	0				

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731.27638	264.621701	0	0				
		0	0				
1226.70151	517.920814	0	0				
		0	0				
907.286788	200.143983	0	0				
		0	0				
1226.70151	517.920814	0	0				
		0	0				
907.286788	200.143983	0	0				
1434.11661	31.87307	0	0				
		0	0				
675.289175	43.72732	0	0				
798.936059	86.49087	0	0				
1473.32714	23.578988	0	0				
914.92381	206.300087	0	0				
1104.05661	805.340745	1	0	968.857143		1073.45963	
1185.9939	673.187684	0	0				
1473.32714	23.578988	0	0				
914.92381	206.300087	0	0				
1104.05661	805.340745	1	0	968.857143		1073.45963	
1185.9939	673.187684	0	0				
419.91938	136.998732	0	0				
464.729938	217.325589	0	0				
437.55197	125.965608	0	0				
428.364605	114.75428	0	0				
799.418041	365.744033	1	0	1626.34146		332.5	
825.347416	228.651304	0	0				
709.688985	48.294418	0	0				
703.101273	61.551991	0	0				
799.418041	365.744033	1	0	1626.34146		332.5	
825.347416	228.651304	0	0				
709.688985	48.294418	0	0				
703.101273	61.551991	0	0				
780.308505	261.433363	0	0				
836.408387	318.421769	0	0				
1180.847	449.611827	3	0	1273.51028	501.704381	496.417244	127.055714
711.244026	91.414013	0	0				
969.631351	522.93147	0	0				
802.480978	285.71199	0	0				
1202.24442	524.031151	4	0	1421.50155	502.475983	686.795325	392.514049
710.525691	91.874841	0	0				
969.631351	522.93147	0	0				
802.480978	285.71199	0	0				
1202.24442	524.031151	4	0	1421.50155	502.475983	686.795325	392.514049
710.525691	91.874841	0	0				
581.395356	68.518785	0	0				
940.445851	927.083935	0	0				
1224.48673	896.623844	2	1	1432.85069	129.248594	575.190121	364.963972
		0	0				
2026.30843	1931.60051	0	0				
		0	0				
1617.56062	834.16501	3	0	1453.90046	98.396536	508.878381	282.473169
		0	0				
2026.30843	1931.60051	0	0				
		0	0				
1617.56062	834.16501	3	0	1453.90046	98.396536	508.878381	282.473169
		0	0				
1406.29288	1224.84937	0	0				

AnnotatedResults

1139.88498	464.534883	0	0				
1374.27701	821.302525	0	0				
1100.45122		0	0				
2184.54459	1478.09557	1	0	4553.97245		482.85124	
1077.11619	307.697124	0	0				
1935.5273	980.578261	0	0				
1100.45122		0	0				
2184.54459	1478.09557	1	0	4553.97245		482.85124	
1077.11619	307.697124	0	0				
1935.5273	980.578261	0	0				
1100.45122		0	0				
1039.84264	1156.28648	139	122	862.444691	853.775434	1829.61009	857.203713
946.782581	1062.44825	35	17	1281.95649	1331.43393	1197.58862	705.361043
907.308427	782.177372	3	2	1598.15709	612.600154	588.54229	230.596018
1992.89712	1393.31765	61	41	1546.03717	1125.45722	1871.3206	932.790584
1844.10716	1291.74927	19	1	2058.30522	1409.60773	729.841464	477.521458
1462.59797	838.357295	3	1	1616.02144	608.915917	578.589826	239.104741
1992.89712	1393.31765	61	43	1546.03717	1125.45722	1871.3206	932.790584
1844.10716	1291.74927	19	3	2058.30522	1409.60773	729.841464	477.521458
1462.59797	838.357295	3	2	1616.02144	608.915917	578.589826	239.104741
1967.8243	1336.73638	95	56	1581.52075	1109.69167	2409.7198	1311.24536
1691.28289	1276.70519	17	1	1885.27159	1496.62795	1032.66575	592.009173
1342.98548	715.096136	7	2	976.458975	285.678766	462.460619	161.262069
1946.25235	1331.20762	101	61	1574.26841	1114.27741	2425.01385	1305.77886
1704.72134	1239.76227	18	1	1842.24127	1470.02865	983.127025	606.49383
1412.49964	773.836283	9	2	1116.30217	392.504165	525.199377	221.331705
1946.25235	1331.20762	101	75	1574.26841	1114.27741	2425.01385	1305.77886
1704.72134	1239.76227	18	3	1842.24127	1470.02865	983.127025	606.49383
1412.49964	773.836283	9	6	1116.30217	392.504165	525.199377	221.331705
748.60295	906.269592	13	5	651.899135	577.872269	1304.48499	530.580661
1322.57505	1318.66908	57	54	1888.13224	1447.22444	1344.65073	738.423316
1204.33895	1246.5723	39	26	1932.88458	1497.0337	1340.38715	841.141895
738.468733	570.643792	45	35	845.64265	577.446402	1383.70809	728.716664
614.852617	416.469631	2	0	1361.2968	1000.20178	455.111488	25.939868
2396.84748	1478.6992	10	6	2676.05702	1518.65323	817.098024	539.23497
2206.39141	1446.28574	54	49	2341.88942	1444.50683	1470.98177	867.158519
2059.29266	1291.56645	27	0	2532.93748	1382.86674	1410.39452	973.049279
1146.13539	596.2926	23	0	1200.05382	594.070896	1569.8707	822.048452
1167.57296	806.5975	3	0	1768.19545	998.164607	441.729127	30.447854
2396.84748	1478.6992	10	6	2676.05702	1518.65323	817.098024	539.23497
2206.39141	1446.28574	54	49	2341.88942	1444.50683	1470.98177	867.158519
2059.29266	1291.56645	27	12	2532.93748	1382.86674	1410.39452	973.049279
1146.13539	596.2926	23	15	1200.05382	594.070896	1569.8707	822.048452
1167.57296	806.5975	3	0	1768.19545	998.164607	441.729127	30.447854
2022.06195	1567.89381	14	0	1991.87829	1648.65577	1653.08957	1229.78084
2400.44854	1586.22658	49	44	2561.33391	1671.87521	2232.75449	1381.67153
2061.29992	1550.86016	41	0	2560.62584	1707.80932	1710.48207	1113.61777
1151.28012	705.925657	23	4	1226.80947	732.635175	2062.74641	1183.55003
1219.2605	540.650003	1	0	1035.504		330.344	
2031.89971	1565.37603	12	0	2159.86534	1714.71741	1635.69293	1302.12256
2285.30545	1559.43731	51	45	2536.9241	1656.5194	2216.69267	1386.53957
1981.3534	1501.63343	44	1	2490.95333	1683.00157	1665.00289	1091.69966
1149.16223	743.1103	25	6	1204.02889	721.424002	2081.52925	1151.35775
1257.091	536.671532	1	0	1664.5055		632.362637	
2031.89971	1565.37603	12	7	2159.86534	1714.71741	1635.69293	1302.12256
2285.30545	1559.43731	51	45	2536.9241	1656.5194	2216.69267	1386.53957
1981.3534	1501.63343	44	16	2490.95333	1683.00157	1665.00289	1091.69966
1149.16223	743.1103	25	13	1204.02889	721.424002	2081.52925	1151.35775

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1257.091	536.671532	1	0	1664.5055		632.362637	
1216.83995	1189.87532	95	79	1631.27541	1323.16372	1643.32454	851.611843
1204.70804	1343.32241	1	0	2348.85106		1833.95745	
503.175674	275.801596	0	0				
798.272979	1074.32961	15	11	1817.82012	1806.20548	1520.25379	952.578038
1850.19979	1238.20208	76	46	2017.82245	1277.10801	1722.28482	857.291189
1667.94591	814.218115	1	0	2348.85106		1833.95745	
1049.50722	323.854392	0	0				
1791.69242	1768.03166	12	0	2179.45205	1899.02918	1788.15777	868.058348
1850.19979	1238.20208	76	61	2017.82245	1277.10801	1722.28482	857.291189
1667.94591	814.218115	1	0	2348.85106		1833.95745	
1049.50722	323.854392	0	0				
1791.69242	1768.03166	12	0	2179.45205	1899.02918	1788.15777	868.058348
1800.42414	1241.34691	82	58	1990.40213	1304.43094	1963.08761	1014.40614
1315.4984	843.389877	1	0	767.629428		546.920981	
1219.58945	472.046193	0	0				
1305.32246	1271.85492	12	0	2137.70168	1676.69966	2736.81458	1307.76524
1806.04711	1243.77254	84	60	2017.10085	1302.37777	1954.01046	1009.79619
1339.53123	950.472308	1	0	763.538874		538.659517	
1249.98257	495.13511	0	0				
1279.43537	1259.49321	12	0	2146.5688	1673.88378	2739.96774	1293.6223
1806.04711	1243.77254	84	65	2017.10085	1302.37777	1954.01046	1009.79619
1339.53123	950.472308	1	0	763.538874		538.659517	
1249.98257	495.13511	0	0				
1279.43537	1259.49321	12	6	2146.5688	1673.88378	2739.96774	1293.6223
607.987312	434.31807	1	0	1168.96296		1008.66667	
907.122009	767.165778	4	0	830.832027	214.643276	677.579061	127.545763
766.619072	781.319762	4	1	653.274738	358.010893	400.030211	111.981904
1717.87701	1721.01888	131	120	1542.02594	1541.47639	1537.62107	877.737244
974.003814	334.654548	2	0	1296.36673	180.176132	757.754098	354.843957
1395.47804	849.577189	3	0	857.209524	175.237766	652.477631	182.992108
1375.07925	1136.66941	1	0	1154.27907		565.116279	
2700.39668	1673.10329	75	71	2535.59854	1541.01393	1198.29832	834.589687
974.003814	334.654548	2	0	1296.36673	180.176132	757.754098	354.843957
1395.47804	849.577189	3	0	857.209524	175.237766	652.477631	182.992108
1375.07925	1136.66941	1	0	1154.27907		565.116279	
2700.39668	1673.10329	75	71	2535.59854	1541.01393	1198.29832	834.589687
1778.41634	1200.63657	4	0	1529.35041	1296.27548	1188.06689	999.19316
1614.29677	1017.23865	2	0	1061.97684	373.705327	1362.44768	742.709547
1359.0501	817.645572	0	0				
2328.38388	1358.58996	78	69	2228.18143	1350.08647	1525.11792	1002.00293
1394.0853	991.457704	4	0	839.751187	350.094975	617.949614	202.048825
1734.67072	1182.91316	1	0	1326.22642		1887.62264	
1401.79877	839.434714	1	0	1580.78049		950.243902	
2262.42063	1362.12143	82	80	2165.4149	1356.31963	1557.37824	1037.4895
1394.0853	991.457704	4	0	839.751187	350.094975	617.949614	202.048825
1734.67072	1182.91316	1	0	1326.22642		1887.62264	
1401.79877	839.434714	1	0	1580.78049		950.243902	
2262.42063	1362.12143	82	80	2165.4149	1356.31963	1557.37824	1037.4895
494.054074	269.896842	5	3	759.51528	543.052932	1547.16496	636.997355
685.05804	337.375037	1	0	461.217172		555.929293	
676.776692	510.297456	0	0				
553.852579	242.334788	0	0				
1446.86159	980.390078	2	0	1300.38896	593.349614	1874.62098	1092.47605
1031.46376	275.11132	0	0				
1018.3	640.056	0	0				
883.773046	141.777871	0	0				
1446.86159	980.390078	2	0	1300.38896	593.349614	1874.62098	1092.47605

AnnotatedResults

1031.46376	275.11132	0	0					
1018.29602	640.055601	0	0					
883.773046	141.777871	0	0					
1309.15873	721.999384	6	0	1077.73274	348.667399	2260.44335	1419.66918	
986.608758	457.044652	1	0	1907.06897		540.189655		
1507.26889	880.085301	2	0	729.464674	18.158041	1098.87636	819.97678	
932.172743	439.216993	0	0					
1312.73022	720.419666	6	0	1083.08998	347.688394	2276.63302	1437.84289	
968.274367	422.827813	1	0	1907.06897		540.189655		
1334.85425	814.585922	2	0	729.464674	18.158041	1098.87636	819.97678	
932.709413	353.171006	0	0					
1312.73022	720.419666	6	3	1083.08998	347.688394	2276.63302	1437.84289	
968.274367	422.827813	1	0	1907.06897		540.189655		
1334.85425	814.585922	2	0	729.464674	18.158041	1098.87636	819.97678	
932.709413	353.171006	0	0					
714.103931	501.261872	35	24	803.053805	534.045432	2158.75447	1142.42656	
541.3208	335.523119	7	4	557.015846	133.266162	1389.81976	430.805305	
659.559281	586.184464	0	0					
1451.02344	1156.39563	2	1	1672.75	1688.45314	782.209524	657.434213	
1124.10099	593.857739	20	13	1110.07753	599.81021	2662.70211	1248.48316	
822.036308	407.667691	5	0	652.559776	60.770166	2289.44364	1125.22395	
1302.81733	577.477629	0	0					
2085.4351	1003.85652	1	1	2868.48		313.6		
1124.10099	593.857739	20	13	1110.07753	599.81021	2662.70211	1248.48316	
822.036308	407.667691	5	2	652.559776	60.770166	2289.44364	1125.22395	
1302.81733	577.477629	0	0					
2085.4351	1003.85652	1	1	2868.48		313.6		
1418.2233	1634.42443	7	0	1879.32596	2127.89322	2230.69348	1387.6818	
1413.71226	248.6014	0	0					
1724.03686	1000.20606	2	2	2498.47889	168.714107	510.027778	117.419009	
1878.67811	2141.7421	5	0	2465.22576	2515.58328	1638.42408	1053.30754	
1065.91491	334.212837	0	0					
1732.00446	998.162788	2	2	2703.80556	121.66165	546.527778	65.800214	
1878.67811	2141.7421	5	0	2465.22576	2515.58328	1638.42408	1053.30754	
1065.91491	334.212837	0	0					
1732.00446	998.162788	2	2	2703.80556	121.66165	546.527778	65.800214	
655.847595	381.073903	22	8	818.113557	476.465559	697.410206	393.22081	
625.284	454.967	35	19	663.258	522.04	853.986	383.479	
581.622574	328.585423	101	78	619.121945	362.742274	943.639304	413.286121	
978.53256	355.621727	16	0	1036.87986	398.013513	648.025399	411.447273	
956.781611	645.431631	13	2	1023.23772	723.909464	773.596113	421.029938	
903.630187	388.317088	35	17	944.901369	423.293302	1023.21478	527.278283	
978.53256	355.621727	16	0	1036.87986	398.013513	648.025399	411.447273	
956.781611	645.431631	13	2	1023.23772	723.909464	773.596113	421.029938	
903.630187	388.317088	35	17	944.901369	423.293302	1023.21478	527.278283	
1125.86824	574.889359	15	0	1185.74788	612.133426	914.793084	554.811173	
862.666102	294.695706	26	1	867.208503	316.146869	841.959066	405.331421	
929.221763	369.079419	36	14	941.650694	378.303055	1089.20937	648.63719	
1159.2634	540.864076	15	0	1242.19151	598.881927	877.474965	575.518734	
932.475307	394.025891	34	1	958.348299	423.497815	868.301542	452.089415	
957.094201	372.03511	37	13	965.557967	383.970401	1064.70598	649.185002	
1159.2634	540.864076	15	0	1242.19151	598.881927	877.474965	575.518734	
932.475307	394.025891	34	1	958.348299	423.497815	868.301542	452.089415	
957.094201	372.03511	37	15	965.557967	383.970401	1064.70598	649.185002	
629.847775	506.812959	2	0	610.202199	213.538684	963.438568	622.847513	

AnnotatedResults

759.593	865.023	4	1	378.411	25.1922	1321.24	576.698
1039.18605		0	0				
727.884248	1012.29388	1	0	370.75		1127.95833	
1264.86446	675.218608	1	0	974.117647		1898.82353	
1804.52315	1199.15902	0	0				
1039.18605		0	0				
2020.85761	1899.88675	0	0				
1264.86446	675.218608	1	0	974.117647		1898.82353	
1804.52315	1199.15902	0	0				
1039.18605		0	0				
2020.85761	1899.88675	0	0				
1205.08824	633.910293	1	0	693.789474		1697.89474	
1530.39429	1281.08357	0	0				
		0	0				
1547.59346	1295.79013	0	0				
1187.56449	597.917289	3	0	1159.16512	687.016878	818.628311	762.294812
1604.1689	1100.15755	2	0	1939.02792	733.644163	1488.69226	666.495307
836.410256		0	0				
1346.40466	1166.71013	0	0				
1187.56449	597.917289	3	0	1159.16512	687.016878	818.628311	762.294812
1604.1689	1100.15755	2	0	1939.02792	733.644163	1488.69226	666.495307
836.410256		0	0				
1346.40466	1166.71013	0	0				
548.510665	322.747113	14	11	562.025081	371.734381	1141.44288	822.475905
583.014537	540.165865	1	0	434.777778		320.181818	
560.112338	374.628455	8	0	1038.88117	832.817312	978.082728	649.404153
686.864836	602.822683	1	0	1755.34021		507.030928	
809.28986	1172.72676	0	0				
934.760492	430.708497	1	0	690.515267		2698.20611	
1197.95644	844.514975	0	0				
1167.80608	682.638042	7	0	1706.57493	945.914636	740.762498	566.374684
1244.6701	722.196586	1	0	1755.34021		507.030928	
2385.22228	2481.73014	0	0				
934.760492	430.708497	1	0	690.515267		2698.20611	
1197.95644	844.514975	0	0				
1167.80608	682.638042	7	0	1706.57493	945.914636	740.762498	566.374684
1244.6701	722.196586	1	0	1755.34021		507.030928	
2385.22228	2481.73014	0	0				
1014.27092	588.230636	2	0	657.914449	28.163283	3085.85057	179.67664
1275.34332	806.865949	0	0				
1130.80622	708.977735	6	0	1766.45438	1111.17462	841.806336	504.217641
814.231097	205.071873	0	0				
2001.75821	865.206432	0	0				
1034.55478	572.842633	3	0	749.462574	159.811648	2189.67652	1557.40991
1453.30875	865.074021	0	0				
1103.13219	689.479126	6	0	1758.49973	1117.80827	838.291952	507.581804
1020.38371	527.162888	1	0	2039.93056		395.305556	
2216.34885	1329.84989	0	0				
1034.55478	572.842633	3	0	749.462574	159.811648	2189.67652	1557.40991
1453.30875	865.074021	0	0				
1103.13219	689.479126	6	2	1758.49973	1117.80827	838.291952	507.581804
1020.38371	527.162888	1	0	2039.93056		395.305556	
2216.34885	1329.84989	0	0				
		0	0				
1868.52933	1347.47088	2	2	2646.24726	47.795547	2646.24726	47.795547
		0	0				
450.415101	111.596024	0	0				
1393.28771	1372.90589	1	0	3758.70823		3760.74314	

AnnotatedResults

		0	0				
2187.11484	1014.87692	5	0	2187.11484	1014.87692	2328.89739	830.699682
		0	0				
		0	0				
2357.34791	1318.4846	1	0	3758.70823		3760.74314	
		0	0				
2187.11484	1014.87692	5	0	2187.11484	1014.87692	2328.89739	830.699682
		0	0				
		0	0				
2357.34791	1318.4846	1	0	3758.70823		3760.74314	
732.085714		0	0				
3037.7292	1547.27427	3	0	3037.7292	1547.27427	3022.53716	1521.22334
896.110389	248.792535	0	0				
1407.68159	1207.53607	1	0	674.147727		2900.90909	
2910.22751	714.234912	1	0	3611.60901		3611.60901	
1592.05737	469.956552	0	0				
2983.946	1407.6525	3	0	2983.946	1407.6525	2971.3292	1386.14337
896.110389	248.792535	0	0				
1580.27122	1066.30794	3	0	1416.32935	999.397851	1431.12221	1274.70625
2011.41596	994.556409	1	0	3611.60901		3611.60901	
1592.05737	469.956552	0	0				
2983.946	1407.6525	3	0	2983.946	1407.6525	2971.3292	1386.14337
896.110389	248.792535	0	0				
1580.27122	1066.30794	3	1	1416.32935	999.397851	1431.12221	1274.70625
2011.41596	994.556409	1	0	3611.60901		3611.60901	
		0	0				
751.922374	855.111984	9	2	1498.9779	1343.48929	1040.60067	433.123598
		0	0				
726.265306		0	0				
		0	0				
1801.54558	1741.92521	6	0	2353.11601	1938.48256	1084.88521	586.018577
		0	0				
726.265306		0	0				
		0	0				
1801.54558	1741.92521	6	0	2353.11601	1938.48256	1084.88521	586.018577
		0	0				
726.265306		0	0				
824.15723	115.269358	0	0				
1170.33963	1023.26858	6	0	1472.21067	1413.95747	1233.48348	572.875031
691.354839		0	0				
685.641026		0	0				
1193.17686	642.11871	0	0				
1352.72486	1159.63406	8	0	1532.61068	1297.12206	1150.05241	512.072135
691.354839		0	0				
685.641026		0	0				
1193.17686	642.11871	0	0				
1352.72486	1159.63406	8	0	1532.61068	1297.12206	1150.05241	512.072135
691.354839		0	0				
685.641026		0	0				
		0	0				
423.769231		0	0				
		0	0				
		0	0				
858.829787		0	0				
1321.2973		0	0				
		0	0				
		0	0				
858.829787		0	0				

AnnotatedResults

1321.2973		0	0				
		0	0				
		0	0				
755.23913	167.215382	0	0				
1027.55748	593.583571	0	0				
1720.9713	721.099539	0	0				
		0	0				
1367.1464	1066.42956	0	0				
1027.55748	593.583571	0	0				
1255.07724	637.375799	0	0				
		0	0				
1367.1464	1066.42956	0	0				
1027.55748	593.583571	0	0				
1255.07724	637.375799	0	0				
		0	0				
743.652859	815.938407	2	0	1329.95833	703.630173	1100.28244	175.534629
652.041624	514.247821	2	0	853.380952	278.667415	1292.55357	905.728025
671.158903	464.623742	17	12	584.826111	231.55334	1504.23213	879.113922
436.142144	125.662607	0	0				
526.698954	316.575523	1	0	321.95		481.75	
1596.74125	1276.16567	1	0	1408.52564		716.448718	
1248.04324	569.541931	2	0	855.945228	284.066831	1291.09719	895.360108
1009.58041	557.987891	8	5	771.387176	219.112216	1839.24644	912.268974
		0	0				
1017.41405	387.235841	0	0				
1596.74125	1276.16567	1	0	1408.52564		716.448718	
1248.04324	569.541931	2	0	855.945228	284.066831	1291.09719	895.360108
1009.58041	557.987891	8	5	771.387176	219.112216	1839.24644	912.268974
		0	0				
1017.41405	387.235841	0	0				
1157.56427	881.689259	0	0				
1343.96841	638.187043	2	0	1185.26471	816.375576	1652.33367	487.072259
1230.18674	786.775969	4	0	799.415517	81.275027	1628.85682	1255.11764
684.528106	40.887848	0	0				
1069.00003	250.154854	0	0				
1009.27168	721.419994	0	0				
1421.11028	705.188577	2	0	1193.19514	805.160248	1678.37818	523.904758
1163.99017	721.489588	4	2	833.056117	85.547958	1736.39274	1425.00803
1017.31526	662.008454	1	0	2009.19643		942.5	
962.165478	139.9128	0	0				
1009.27168	721.419994	0	0				
1421.11028	705.188577	2	0	1193.19514	805.160248	1678.37818	523.904758
1163.99017	721.489588	4	2	833.056117	85.547958	1736.39274	1425.00803
1017.31526	662.008454	1	0	2009.19643		942.5	
962.165478	139.9128	0	0				
716.777339	518.374234	0	0				
704.532611	516.984057	4	1	509.947466	160.946379	874.878482	481.418632
733.384638	855.156704	7	6	696.122399	290.676443	1073.21309	313.053957
739.663735	768.456029	12	5	509.6243	241.22653	1641.10923	740.88245
1188.82874	527.032333	0	0				
1292.87819	712.541919	1	0	669.882353		932.470588	
1595.32729	1319.4545	2	0	944.382572	427.59132	1169.69688	53.628059
1153.062	906.027642	2	0	825.843919	296.16524	920.206281	744.948315
1188.82874	527.032333	0	0				
1292.87819	712.541919	1	0	669.882353		932.470588	
1595.32729	1319.4545	2	2	944.382572	427.59132	1169.69688	53.628059
1153.062	906.027642	2	0	825.843919	296.16524	920.206281	744.948315
1576.79092	821.080759	0	0				

AnnotatedResults

1266.00741	771.595425	1	0	1060.11487		1621	
2001.2375	1435.33898	6	1	1642.79861	1161.16617	1232.64654	838.877076
1216.59174	1086.18168	5	0	821.843463	321.329445	2163.5086	1337.53415
1584.13769	804.236187	0	0				
1281.20413	765.521612	1	0	1060.11487		1621	
1850.33259	1399.69058	6	1	1638.74062	1132.47489	1249.97705	864.835389
1218.20994	1075.32585	5	0	833.455281	353.26453	2159.60446	1352.21478
1584.13769	804.236187	0	0				
1281.20413	765.521612	1	0	1060.11487		1621	
1850.33259	1399.69058	6	4	1638.74062	1132.47489	1249.97705	864.835389
1218.20994	1075.32585	5	2	833.455281	353.26453	2159.60446	1352.21478
602.164579	191.935296	0	0				
1202.15524	1354.24068	31	25	2609.51671	1614.5518	1672.2898	1034.55943
600.892	339.786	5	3	1317.06	928.918	1201.74	487.516
781.426446	834.187243	19	14	1559.40983	1645.80308	1501.42656	799.677214
522.436655	290.553525	1	0	309.947761		365.022388	
772.321072	201.152663	0	0				
2550.0638	1520.28399	27	10	3278.37273	1311.92389	1769.30504	1087.0081
1039.54707	659.114371	5	0	2025.40207	1251.32262	1116.95593	313.399875
1279.1205	1124.99526	10	0	2504.83384	1830.73971	1329.36435	767.645154
1525.5532	1345.69825	0	0				
772.321072	201.152663	0	0				
2550.0638	1520.28399	27	18	3278.37273	1311.92389	1769.30504	1087.0081
1039.54707	659.114371	5	0	2025.40207	1251.32262	1116.95593	313.399875
1279.1205	1124.99526	10	0	2504.83384	1830.73971	1329.36435	767.645154
1525.5532	1345.69825	0	0				
687.666935	68.2556	0	0				
2435.7793	1555.04549	32	14	3267.21871	1328.36958	2274.04847	1348.11366
1014.08687	583.590312	10	0	1829.38804	862.346943	1005.21533	476.080139
1347.35231	1164.87608	13	6	2479.92389	1677.05096	2106.38391	1217.35918
1247.48207	872.781864	0	0				
692.177676	63.561903	0	0				
2386.83913	1576.75751	30	14	3343.96916	1382.24223	2397.23246	1342.93684
1008.49298	548.337822	11	0	1635.38537	831.61305	1007.74859	483.456897
1325.10185	1127.39568	14	0	2343.63009	1681.96875	2113.11148	1168.98082
944.014508	323.903602	1	0	861.118644		403.991525	
692.177676	63.561903	0	0				
2386.83913	1576.75751	30	26	3343.96916	1382.24223	2397.23246	1342.93684
1008.49298	548.337822	11	0	1635.38537	831.61305	1007.74859	483.456897
1325.10185	1127.39568	14	6	2343.63009	1681.96875	2113.11148	1168.98082
944.014508	323.903602	1	0	861.118644		403.991525	
1113.50099	1022.47227	17	8	1064.35289	787.371729	1596.91299	718.08078
746.595	786.776	22	9	1255.15	1099.89	1545.5	938.969
813.360507	832.671257	23	18	1634.85072	1494.64768	1655.39199	970.939241
881.636737	972.72386	0	0				
1493.52906	1059.78451	13	0	1255.59229	816.51305	1591.55991	812.669286
1428.51615	1032.40153	14	6	1673.26009	988.556512	1606.30272	1158.30849
1268.93639	1051.03774	12	0	2513.50102	1505.72847	1805.76578	1307.90131
1690.10132	1261.7312	0	0				
1493.52906	1059.78451	13	3	1255.59229	816.51305	1591.55991	812.669286
1428.51615	1032.40153	14	6	1673.26009	988.556512	1606.30272	1158.30849
1268.93639	1051.03774	12	7	2513.50102	1505.72847	1805.76578	1307.90131
1690.10132	1261.7312	0	0				
1409.42199	918.311133	15	0	1277.85537	711.101772	2004.74457	996.809783
1300.59052	891.066746	22	7	1522.2204	975.205616	2441.08488	1128.83022
1483.55483	1319.90696	16	0	2956.17968	1771.86474	1991.50601	1143.88396
1142.26297	494.612675	1	0	1033.85455		912.109091	
1383.92756	905.863252	15	0	1270.065	713.966864	1979.06518	968.839294

AnnotatedResults

1247.75779	866.536844	23	7	1490.00456	978.414305	2504.66451	1163.30116
1403.85944	1213.11244	18	0	2755.70876	1701.64002	1958.83769	1190.6626
1236.74235	563.14191	1	0	1033.85455		912.109091	
1383.92756	905.863252	15	3	1270.065	713.966864	1979.06518	968.839294
1247.75779	866.536844	23	12	1490.00456	978.414305	2504.66451	1163.30116
1403.85944	1213.11244	18	7	2755.70876	1701.64002	1958.83769	1190.6626
1236.74235	563.14191	1	0	1033.85455		912.109091	
489.507992	303.157319	5	5	741.908714	490.057601	729.707883	404.705987
880.693362	810.928074	9	2	1075.35213	928.66543	1377.39764	464.923422
486.969456	96.551645	0	0				
1168.28093	1183.49866	7	4	1136.49753	801.853946	1403.07961	1040.06148
667.629102	456.172351	1	0	308.333333		805.625	
1171.95422	535.171844	5	5	1415.56638	621.210521	1038.25284	140.789578
1333.89634	963.009663	7	0	1334.50364	933.726448	1349.31577	561.443377
682.506744	118.67307	0	0				
2117.0612	1248.00682	4	0	1827.95327	959.262873	1486.41828	734.041848
1391.31856	783.712754	1	0	1388.68639		351.035503	
1171.95422	535.171844	5	5	1415.56638	621.210521	1038.25284	140.789578
1333.89634	963.009663	7	0	1334.50364	933.726448	1349.31577	561.443377
682.506744	118.67307	0	0				
2117.0612	1248.00682	4	0	1827.95327	959.262873	1486.41828	734.041848
1391.31856	783.712754	1	0	1388.68639		351.035503	
1539.25759	557.931233	4	3	1539.25759	557.931233	1581.17796	861.426852
2299.0179	1680.03786	3	0	1296.76344	1009.29435	2447.41208	729.672947
2047.70683	1725.69261	1	0	1081.88646		474.537118	
1889.45042	1203.64651	7	0	1582.44455	1150.92248	1853.19949	1110.83021
1261.01999	729.493222	4	0	1357.53773	409.067503	463.131284	125.315962
1191.91828	580.339421	4	0	1518.32054	581.089485	1555.47098	829.693277
2039.14989	1381.42726	6	0	1447.96572	811.111487	1714.21541	965.90194
1624.83678	1492.66104	2	0	843.664906	336.896156	523.60846	69.397358
2013.49464	1345.32189	7	0	1582.34346	1126.64991	1860.41507	1106.8989
1277.01648	661.103346	4	0	1357.27949	405.267861	469.52564	128.609944
1191.91828	580.339421	4	3	1518.32054	581.089485	1555.47098	829.693277
2039.14989	1381.42726	6	0	1447.96572	811.111487	1714.21541	965.90194
1624.83678	1492.66104	2	0	843.664906	336.896156	523.60846	69.397358
2013.49464	1345.32189	7	0	1582.34346	1126.64991	1860.41507	1106.8989
1277.01648	661.103346	4	4	1357.27949	405.267861	469.52564	128.609944
695.285684	779.329824	2	0	1508.94038	1329.6673	1814.2872	839.331113
588.681831	641.152956	6	4	535.924101	331.718095	1502.00384	859.754824
		0	0				
558.165218	298.46395	0	0				
1666.34538	1248.22985	1	0	2548.97717		1342.42466	
1846.94751	770.121598	3	0	1382.12258	337.737507	583.652369	172.577337
		0	0				
838.654762	216.168147	0	0				
1666.34538	1248.22985	1	0	2548.97717		1342.42466	
1846.94751	770.121598	3	0	1382.12258	337.737507	583.652369	172.577337
		0	0				
838.654762	216.168147	0	0				
2088.74118	1558.49555	2	0	1245.27119	762.653759	1572.1147	877.836308
2637.48353	1922.70191	12	6	2221.28003	1433.75929	913.26532	544.516429
		0	0				
817.3608	82.983845	0	0				
1684.83073	1283.7134	3	0	1597.62161	814.415629	1573.54064	620.72892
2404.0752	1814.67799	14	8	1933.90176	1128.18666	959.421389	711.731206
		0	0				
1097.8114	501.641475	0	0				
1684.83073	1283.7134	3	0	1597.62161	814.415629	1573.54064	620.72892

AnnotatedResults

2404.0752	1814.67799	14	8	1933.90176	1128.18666	959.421389	711.731206
		0	0				
1097.8114	501.641475	0	0				
912.766065	830.682891	36	29	1621.84531	1203.16029	1291.16958	725.814674
526.720844	411.626381	21	17	827.208375	808.143691	1998.90956	1112.58751
598.911884	502.405167	10	4	632.03773	379.351909	1193.02678	552.244875
701.800328	633.615309	1	0	367.304348		637.043478	
317.163282	1.99269	0	0				
1339.36123	959.493501	30	11	1917.18212	1151.70859	1390.34517	705.978319
983.089498	670.296511	9	0	1322.72464	965.725111	2517.02233	1252.88048
1184.45006	728.584253	5	0	1018.9552	574.379616	1241.32079	539.476848
1894.13124	1575.49476	1	0	5432.06634		1974.30846	
1617.92019	748.375492	1	0	1088.73881		411.69403	
1339.36123	959.493501	30	11	1917.18212	1151.70859	1390.34517	705.978319
983.089498	670.296511	9	4	1322.72464	965.725111	2517.02233	1252.88048
1184.45006	728.584253	5	0	1018.9552	574.379616	1241.32079	539.476848
1894.13124	1575.49476	1	0	5432.06634		1974.30846	
1617.92019	748.375492	1	0	1088.73881		411.69403	
1315.22608	935.708934	56	24	1611.2217	1052.81051	1796.61435	1019.46976
984.34347	655.208716	16	1	1075.08238	838.362853	2806.41548	1340.03615
965.835303	450.479196	3	0	660.433691	70.261762	2741.5934	1216.59614
1387.10901	726.318387	0	0				
2367.63052	1048.26664	0	0				
1325.65821	940.063342	60	23	1569.54065	1046.97832	1854.5867	1080.05301
980.231803	602.67286	16	1	1114.25789	827.720982	2630.57666	1493.60882
926.748892	428.318395	4	0	655.692601	69.276233	2207.77616	1478.99696
1313.01773	727.483753	1	0	2067.5		927	
1942.91385	1118.99716	0	0				
1325.65821	940.063342	60	38	1569.54065	1046.97832	1854.5867	1080.05301
980.231803	602.67286	16	6	1114.25789	827.720982	2630.57666	1493.60882
926.748892	428.318395	4	2	655.692601	69.276233	2207.77616	1478.99696
1313.01773	727.483753	1	0	2067.5		927	
1942.91385	1118.99716	0	0				
		0	0				
581.114901	465.654303	3	2	369.927364	39.259814	362.135	32.106422
		0	0				
1015.91552	581.86229	1	0	604.476744		1645.04651	
		0	0				
1015.91552	581.86229	1	0	604.476744		1645.04651	
		0	0				
750.840945		0	0				
763.379982	128.556268	0	0				
696.161731	77.328086	0	0				
763.379982	128.556268	0	0				
696.161731	77.328086	0	0				
379.780067	10.417485	0	0				
980.396959	843.547335	0	0				
1775.34741	1914.06227	1	0	724.893443		331.02459	
749.218981	751.135198	1	1	3635.93044		493.947826	
		0	0				
685.762712		0	0				
3984.63027		0	0				
1487.78268	1209.85502	1	0	3989.88679		553.735849	
		0	0				
685.762712		0	0				
3984.63027		0	0				
1487.78268	1209.85502	1	0	3989.88679		553.735849	
901.221719		0	0				

AnnotatedResults

1243.9547	346.860545	0	0				
601.36646		0	0				
1107.6594	790.238529	2	0	2420.87653	1836.06765	608.047831	289.114647
1333.02485	812.309819	1	0	1907.41463		773.99187	
1129.82313	394.162718	0	0				
604.89552	4.990845	0	0				
1330.4764	1055.52561	2	0	2459.58621	1781.3239	620.5	271.504621
1333.02485	812.309819	1	0	1907.41463		773.99187	
1129.82313	394.162718	0	0				
604.89552	4.990845	0	0				
1330.4764	1055.52561	2	0	2459.58621	1781.3239	620.5	271.504621
873.168	629.759	26	25	1101.99	947.207	1125.05	462.576
575.041823	381.625564	9	5	846.039044	822.414877	985.688474	387.674865
1850.16393		0	0				
680.936541	614.229214	13	5	870.842478	724.7007	1716.54196	786.694681
484.092837	140.425913	0	0				
1148.83162	707.653605	16	12	1638.67681	1093.04283	1370.07232	445.423711
916.034755	544.136307	5	0	1105.02918	1076.83095	995.169878	395.125825
1823.95161		0	0				
1174.17489	764.32114	5	0	1571.47672	723.533021	1597.57868	1192.61659
1158.49	397.073	0	0				
1148.83162	707.653605	16	13	1638.67681	1093.04283	1370.07232	445.423711
916.034755	544.136307	5	0	1105.02918	1076.83095	995.169878	395.125825
1823.95161		0	0				
1174.17489	764.32114	5	0	1571.47672	723.533021	1597.57868	1192.61659
1158.49264	397.072855	0	0				
1076.27854	641.647411	23	15	1293.38954	904.58756	1804.67284	563.399593
1122.85065	725.463606	10	0	1663.33087	983.847941	1422.49016	467.216539
1910.59675	993.453362	2	0	1113.63196	488.010249	1404.70599	465.852149
1141.99932	730.616205	9	0	1228.24431	614.002571	1547.68581	1052.60126
1254.81302	636.347924	1	0	1315.82927		304.390244	
1126.1699	711.748588	24	15	1343.59526	1000.7566	1724.72155	631.058387
1049.27314	706.49278	9	0	1693.46108	1044.58271	1388.01707	472.277763
1722.26212	990.437148	2	0	1113.63196	488.010249	1404.70599	465.852149
1333.96957	945.831815	10	0	1247.15919	582.127819	1504.81242	994.673351
1243.89627	581.621122	1	0	1315.82927		304.390244	
1126.1699	711.748588	24	20	1343.59526	1000.7566	1724.72155	631.058387
1049.27314	706.49278	9	1	1693.46108	1044.58271	1388.01707	472.277763
1722.26212	990.437148	2	0	1113.63196	488.010249	1404.70599	465.852149
1333.96957	945.831815	10	0	1247.15919	582.127819	1504.81242	994.673351
1243.89627	581.621122	1	0	1315.82927		304.390244	
747.2	870.268	0	0				
532.221123	181.686595	0	0				
317.013333	19.308729	0	0				
524.333333		0	0				
2024.48807	1342.51003	0	0				
831.60047	162.346968	0	0				
		0	0				
		0	0				
2024.48807	1342.51003	0	0				
831.60047	162.346968	0	0				
		0	0				
		0	0				
1479.9608	1504.43748	0	0				
2232.3796	1224.93642	0	0				
		0	0				
840.825397		0	0				
2064.61928	1552.01315	1	0	825.893939		783.606061	

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1695.95863	1277.27293	0	0				
		0	0				
		0	0				
2064.61928	1552.01315	1	0	825.893939		783.606061	
1695.95863	1277.27293	0	0				
		0	0				
		0	0				
620.01923	136.118819	1	0	758.333333		1455.93287	
1881.30247	1306.42656	0	0				
416.702556	88.473702	0	0				
490.938337	124.768768	7	2	506.993045	149.736509	1979.72044	755.797907
666.012069	379.8424	0	0				
2238.36347	1697.27971	1	0	4974.03333		308.538889	
2603.81528	540.911158	0	0				
738.400651		0	0				
634.652449	18.82515	2	0	624.2167	7.439314	2363.52671	1068.51042
1972.99099	1832.24622	1	0	3268.58472		784.82392	
2238.36347	1697.27971	1	0	4974.03333		308.538889	
2603.81528	540.911158	0	0				
738.400651		0	0				
634.652449	18.82515	2	0	624.2167	7.439314	2363.52671	1068.51042
1972.99099	1832.24622	1	0	3268.58472		784.82392	
646.371212		0	0				
1950.01412	1425.70783	0	0				
3544.78814		0	0				
		0	0				
2463.83614	2252.3363	1	0	4056.47841		1988.6113	
786.441689	259.001844	2	0	777.769186	248.167347	1484.54669	16.236891
2169.24214	1393.45638	0	0				
3544.78814		0	0				
2924.50271	3246.3234	1	0	5220		1366.91257	
2463.83614	2252.3363	1	0	4056.47841		1988.6113	
786.441689	259.001844	2	0	777.769186	248.167347	1484.54669	16.236891
2169.24214	1393.45638	0	0				
3544.78814		0	0				
2924.50271	3246.3234	1	0	5220		1366.91257	
2463.83614	2252.3363	1	0	4056.47841		1988.6113	
950.325228	716.435639	1	0	1972.05882		379.6	
979.50111	660.24121	2	0	1746.14351	1624.72844	792.892435	138.803975
774.280661	519.350007	0	0				
779.41766	1103.59358	1	0	527.356322		1157.93103	
		0	0				
1278.07994	699.745197	1	0	1974.76744		378.348837	
1317.26389	548.850209	4	0	1513.88508	1031.50166	906.584212	368.452902
1272.21852	354.007842	0	0				
1558.4436	1373.8719	0	0				
2908.91791		0	0				
1278.07994	699.745197	1	0	1974.76744		378.348837	
1317.26389	548.850209	4	0	1513.88508	1031.50166	906.584212	368.452902
1272.21852	354.007842	0	0				
1558.4436	1373.8719	0	0				
2908.91791		0	0				
1165.09117	453.646114	2	0	1533.71881	398.992109	508.808955	142.776862
1994.38654	1139.61364	0	0				
1095.64531	473.749345	0	0				
2305.26154	1732.01581	3	0	3315.37095	1463.63222	2029.61228	1273.71824
1313.89831		0	0				
1190.06207	417.394391	2	0	1533.71881	398.992109	508.808955	142.776862

AnnotatedResults

1547.16159	765.32304	0	0				
1008.91303	373.408121	0	0				
2430.237	1526.84662	3	0	3302.92921	1472.32921	2025.53381	1193.70837
1313.89831		0	0				
1190.06207	417.394391	2	0	1533.71881	398.992109	508.808955	142.776862
1547.16159	765.32304	0	0				
1008.91303	373.408121	0	0				
2430.237	1526.84662	3	0	3302.92921	1472.32921	2025.53381	1193.70837
1313.89831		0	0				
572.116944	202.8344	3	2	568.107622	135.327124	1947.36536	624.577089
627.329243	469.385479	4	0	448.525846	67.472159	1336.01632	578.817097
968.544138	978.502579	2	0	2213.10118	1467.03734	1949.12905	1840.3503
721.66383	80.642747	2	0	701.746264	5.624921	2281.51151	369.577279
1632.41388	1275.81038	4	0	2194.95972	1618.40134	1136.20018	794.296632
1405.23157	1049.48698	2	0	2213.10118	1467.03734	1949.12905	1840.3503
721.66383	80.642747	2	0	701.746264	5.624921	2281.51151	369.577279
1632.41388	1275.81038	4	0	2194.95972	1618.40134	1136.20018	794.296632
1405.23157	1049.48698	2	0	2213.10118	1467.03734	1949.12905	1840.3503
		0	0				
1990.10954	1250.51821	3	0	2383.22587	1190.9874	695.497151	397.990216
1333.17132		1	0	1333.17132		848.693227	
		0	0				
1262.91465	790.19641	7	0	1796.94588	973.286869	1076.75003	804.976859
1712.25352	536.103188	1	0	1333.17132		848.693227	
		0	0				
1262.91465	790.19641	7	0	1796.94588	973.286869	1076.75003	804.976859
1712.25352	536.103188	1	0	1333.17132		848.693227	
801.608843	528.112657	2	0	503.000886	179.470766	903.112812	449.976317
783.243099	768.3467	6	0	717.245254	680.365824	1111.59579	346.4682
669.307811	429.378282	0	0				
2665.79822	1650.16959	0	0				
1144.04364	503.266687	1	0	629.905882		1221.29412	
1167.78557	874.57352	2	0	1720.23333	1556.43631	1592.09687	238.068
1145.25397		0	0				
973.773683	334.71226	0	0				
1144.04364	503.266687	1	0	629.905882		1221.29412	
1167.78557	874.57352	2	0	1720.23333	1556.43631	1592.09687	238.068
1145.25397		0	0				
973.773683	334.71226	0	0				
1814.5988	960.081388	1	0	1788.35		338.4	
2486.08857	1587.07405	1	0	3841.86047		937.348837	
		0	0				
3273.89583	820.096552	0	0				
1885.39327	892.549813	1	0	1788.35		338.4	
2044.75839	1315.33727	3	0	2816.28939	1634.64518	523.902177	358.343909
		0	0				
3273.89583	820.096552	0	0				
1885.39327	892.549813	1	0	1788.35		338.4	
2044.75839	1315.33727	3	0	2816.28939	1634.64518	523.902177	358.343909
		0	0				
3273.89583	820.096552	0	0				
993.619318	1199.15324	19	17	1454.75185	1575.05768	1405.38875	766.10854
371.130435		0	0				
690.652521	729.862284	0	0				
1141.43312	1418.54426	0	0				
534.209494	270.113312	0	0				
2149.94842	1460.12572	10	9	2501.86627	1496.5797	1440.99698	1006.53158
		0	0				

AnnotatedResults

2147.97917		0	0				
3268		0	0				
1727.66144	1362.21633	0	0				
2149.94842	1460.12572	10	10	2501.86627	1496.5797	1440.99698	1006.53158
		0	0				
2147.97917		0	0				
3268		0	0				
1727.66144	1362.21633	0	0				
1943.95764	1102.99608	23	11	1991.29271	1175.71478	1671.63155	1173.12504
1840.62493	1739.89506	1	0	3070.91653		3070.91653	
1044.70871	646.299181	0	0				
2037.74745	196.238341	1	0	2155.16418		651.955224	
1237.36378	563.410364	0	0				
1732.41995	1113.30678	25	11	2007.44467	1210.04293	1545.38115	1136.16896
1840.62493	1739.89506	1	0	3070.91653		3070.91653	
956.840494	588.192958	0	0				
1844.3501	766.980063	1	0	2254.44095		679.212598	
1151.23997	599.873197	0	0				
1732.41995	1113.30678	25	13	2007.44467	1210.04293	1545.38115	1136.16896
1840.62493	1739.89506	1	0	3070.91653		3070.91653	
956.840494	588.192958	0	0				
1844.3501	766.980063	1	0	2254.44095		679.212598	
1151.23997	599.873197	0	0				
551.366253	105.958734	0	0				
834.179977	808.640506	2	0	377.070906	55.215322	851.126706	658.521791
1359.79777	761.090366	1	0	1532.24793		3015.27273	
740.764808	657.744537	1	0	1897.71429		416.914286	
810.420833	138.759882	0	0				
1371.32221	1034.73592	0	0				
1331.67942	769.880207	1	0	1526.31667		3021.7	
1215.19481	866.380288	1	0	1827.81818		399.272727	
810.420833	138.759882	0	0				
1371.32221	1034.73592	0	0				
1331.67942	769.880207	1	0	1526.31667		3021.7	
1215.19481	866.380288	1	0	1827.81818		399.272727	
1275.31963	611.45719	0	0				
861.125507	194.817822	0	0				
2299.89244	424.769732	0	0				
1534.12325	990.234962	2	0	1903.2437	1069.4069	554.89972	173.362776
1225.28656	629.128894	0	0				
879.713046	206.959549	0	0				
2299.89244	424.769732	0	0				
1407.42636	785.602809	4	0	1317.21571	917.089773	445.104912	161.531662
1225.28656	629.128894	0	0				
879.713046	206.959549	0	0				
2299.89244	424.769732	0	0				
1407.42636	785.602809	4	0	1317.21571	917.089773	445.104912	161.531662
1233.22335	1179.09916	4	0	1707.78588	1135.78102	1569.21881	1319.79603
845.53833	1057.12871	2	0	2725.91693	2638.80503	577.109627	204.560135
732.43371	743.561602	4	3	400.313293	117.607387	792.697734	331.74731
1195.57351	1220.57999	32	24	2109.18498	1433.96218	1223.83386	510.501744
830.172506	754.149329	41	27	1036.10826	923.100147	1429.552	733.826025
1888.33339	1239.98342	4	0	1708.24748	1135.46229	1573.59783	1326.41028
1495.30618	1314.95267	2	0	2725.91693	2638.80503	577.109627	204.560135
1427.94423	898.1764	0	0				
2188.02568	1286.06969	22	11	2809.24789	1133.16032	1165.0813	545.555054
1837.00248	1366.6091	22	0	2062.08343	1294.07479	1413.43173	702.482212
1888.33339	1239.98342	4	0	1708.24748	1135.46229	1573.59783	1326.41028

AnnotatedResults

1495.30618	1314.95267	2	0	2725.91693	2638.80503	577.109627	204.560135
1427.94423	898.1764	0	0				
2188.02568	1286.06969	22	13	2809.24789	1133.16032	1165.0813	545.555054
1837.00248	1366.6091	22	0	2062.08343	1294.07479	1413.43173	702.482212
2268.98499	1292.19251	5	0	1546.57356	981.939533	1726.6178	1760.95871
2013.0005	1428.45498	3	0	2346.82644	1598.48377	403.255387	19.420562
1269.36375	687.681027	0	0				
2131.53858	1274.18234	28	17	2702.7884	1096.60287	1640.82987	719.548821
1729.21963	1415.84458	19	0	1939.92826	1167.46251	1869.97971	1069.26169
2171.49997	1296.20778	5	0	1546.57356	981.939533	1726.6178	1760.95871
1988.11455	1394.34543	3	0	2346.82644	1598.48377	403.255387	19.420562
1372.21222	1010.69487	0	0				
1953.26822	1242.27732	28	17	2700.78226	1074.79266	1663.11135	745.682707
1747.88506	1342.93814	21	0	1977.83581	1159.40576	1778.47169	1092.62186
2171.49997	1296.20778	5	0	1546.57356	981.939533	1726.6178	1760.95871
1988.11455	1394.34543	3	0	2346.82644	1598.48377	403.255387	19.420562
1372.21222	1010.69487	0	0				
1953.26822	1242.27732	28	17	2700.78226	1074.79266	1663.11135	745.682707
1747.88506	1342.93814	21	0	1977.83581	1159.40576	1778.47169	1092.62186
627.839319	455.702705	0	0				
604.691824	400.328933	5	3	1000.97594	858.306875	1252.68578	838.429553
480.56343	178.921661	0	0				
1022.87203	1093.7575	0	0				
1140.58728	557.639514	0	0				
1181.75082	747.938472	3	0	1475.60809	865.832199	989.283959	1059.02809
821.901876	157.364336	0	0				
3219.42529		0	0				
1140.58728	557.639514	0	0				
1181.75082	747.938472	3	0	1475.60809	865.832199	989.283959	1059.02809
821.901876	157.364336	0	0				
3219.42529		0	0				
948.129644	497.384817	0	0				
1068.42305	447.661211	3	0	1313.97459	742.419313	1115.72769	1175.90074
847.620476	77.237946	0	0				
1776.77817	1451.17421	0	0				
946.422506	498.280419	0	0				
1238.5003	772.841827	3	0	1280.41338	687.188058	1245.79791	1086.21516
975.904789	367.336384	0	0				
1548.78756	1293.98302	0	0				
946.422506	498.280419	0	0				
1238.5003	772.841827	3	0	1280.41338	687.188058	1245.79791	1086.21516
975.904789	367.336384	0	0				
1548.78756	1293.98302	0	0				
954.417428	968.025469	0	0				
890.220697	746.706296	1	0	944.344262		689.47541	
1182.21289	655.112831	0	0				
1529.33648	1202.26322	0	0				
1540.40327	843.652307	1	0	944.344262		689.47541	
1233.38294	504.932281	0	0				
1529.33648	1202.26322	0	0				
1540.40327	843.652307	1	0	944.344262		689.47541	
1233.38294	504.932281	0	0				
1328.29466	791.137912	2	0	874.697293	359.271689	603.96047	113.709721
1259.88997	718.400966	1	0	1031.03165		851.297468	
1617.53415	699.89125	0	0				
1341.53273	785.153017	3	0	981.337514	316.837538	673.571433	156.280362
1175.58681	687.635833	2	0	818.015823	301.249866	629.841916	313.185446
1617.53415	699.89125	0	0				

AnnotatedResults

1341.53273	785.153017	3	0	981.337514	316.837538	673.571433	156.280362
1175.58681	687.635833	2	0	818.015823	301.249866	629.841916	313.185446
1617.53415	699.89125	0	0				
1613.29748	2204.51202	0	0				
630.640391	281.052126	0	0				
2772.57833	1960.33085	0	0				
807.600967	104.222908	0	0				
2772.57833	1960.33085	0	0				
807.600967	104.222908	0	0				
		0	0				
1701.23965	924.964199	1	0	883.277778		777.472222	
892.711431	207.299193	1	0	1178.71429		743.52381	
		0	0				
1227.10555	805.900587	1	0	883.277778		777.472222	
912.45778	237.058937	1	0	1178.71429		743.52381	
		0	0				
1227.10555	805.900587	1	0	883.277778		777.472222	
912.45778	237.058937	1	0	1178.71429		743.52381	
474.50007	58.760672	0	0				
		0	0				
730.234	663.679	0	0				
744.119932	706.866994	4	2	512.335995	219.559763	828.433366	227.793591
		0	0				
		0	0				
2232		0	0				
1508.46723	850.465666	1	0	831.417085		1052.95477	
		0	0				
		0	0				
2232		0	0				
1508.46723	850.465666	1	0	831.417085		1052.95477	
645.838882	30.583663	2	0	663.488323	1.305468	3075.73926	589.505876
		0	0				
2170.96694		0	0				
651.516129		0	0				
674.328003	58.453048	3	0	700.811575	60.202436	2599.72569	947.91026
1644.72878	803.14099	0	0				
1545.19157	786.53391	2	0	1322.25	723.173819	923.388889	408.786287
1029.99221	584.487834	0	0				
674.328003	58.453048	3	0	700.811575	60.202436	2599.72569	947.91026
1644.72878	803.14099	0	0				
1545.19157	786.53391	2	0	1322.25	723.173819	923.388889	408.786287
1029.99221	584.487834	0	0				
733.177387	586.959209	7	5	1131.74654	838.987124	810.686789	310.300205
669.889398	478.025121	4	0	1371.3057	957.121744	1119.16691	541.90514
1070.52427	500.371221	1	1	307.749662		369.198917	
683.290187	447.232997	3	0	711.141833	528.903025	1315.92505	863.831712
1054.91601	661.933993	5	3	1369.07582	849.928117	873.186956	265.620054
1035.8435	525.682371	3	0	1640.1783	959.162785	1157.10079	660.047054
1148.47237	425.681304	0	0				
1137.28478	225.996983	1	0	1325.22636		830.532951	
1054.91601	661.933993	5	3	1369.07582	849.928117	873.186956	265.620054
1035.8435	525.682371	3	0	1640.1783	959.162785	1157.10079	660.047054
1148.47237	425.681304	0	0				
1137.28478	225.996983	1	0	1325.22636		830.532951	
1311.48196	588.527562	2	0	1126.71581	367.783159	829.067308	45.159647

AnnotatedResults

845.843152	175.555062	1	0	648.850679		2744.61539	
1381.74872	604.824688	2	0	915.486613	432.068931	488.776022	218.881178
1087.60879	420.580377	1	0	1026.59583		1216.63333	
1251.03058	592.103723	3	0	1288.76888	382.643191	762.267094	120.027091
942.633429	252.128178	1	0	648.850679		2744.61539	
1364.2965	693.080219	2	0	915.486613	432.068931	488.776022	218.881178
1171.37022	785.142126	1	0	1026.59583		1216.63333	
1251.03058	592.103723	3	0	1288.76888	382.643191	762.267094	120.027091
942.633429	252.128178	1	0	648.850679		2744.61539	
1364.2965	693.080219	2	1	915.486613	432.068931	488.776022	218.881178
1171.37022	785.142126	1	0	1026.59583		1216.63333	
1351.14197	1148.64367	0	0				
929.257129	896.668695	3	0	1755.88657	710.869287	577.507314	221.472305
861.308232	957.449308	0	0				
522.529297	196.186065	1	0	560.16826		560.16826	
1276.85154	1308.8762	40	33	1959.68748	1307.71368	1873.20647	1014.67735
1897.97079	1261.34279	0	0				
1320.65949	730.046542	3	0	1766.762	716.784475	579.435543	220.010356
1206.50361	894.601326	0	0				
971.832575	444.172508	0	0				
1871.01257	1439.36444	30	20	2237.68487	1298.09667	2016.48738	1043.86916
1897.97079	1261.34279	0	0				
1320.65949	730.046542	3	0	1766.762	716.784475	579.435543	220.010356
1206.50361	894.601326	0	0				
971.832575	444.172508	0	0				
1871.01257	1439.36444	30	21	2237.68487	1298.09667	2016.48738	1043.86916
1316.09731	843.100855	1	0	773.589041		654.90411	
1645.91126	1100.36468	2	0	1702.85938	674.248413	912.828125	277.340538
1401.67879	999.09781	2	0	868.335398	107.106027	448.907712	118.461393
927.515177	230.375531	0	0				
1967.9122	1758.06208	8	0	1580.55739	1140.82336	1997.5527	1149.00995
1310.4172	778.216404	1	0	784.333333		664	
1745.42061	1118.41416	2	0	1717.28875	369.768715	917.166706	123.254437
1399.25859	923.961095	2	0	868.335398	107.106027	448.907712	118.461393
832.625868	246.080083	0	0				
2040.49327	1728.52179	9	0	1510.69439	1087.71693	1839.54805	1176.80014
1310.4172	778.216404	1	0	784.333333		664	
1745.42061	1118.41416	2	0	1717.28875	369.768715	917.166706	123.254437
1399.25859	923.961095	2	1	868.335398	107.106027	448.907712	118.461393
832.625868	246.080083	0	0				
2040.49327	1728.52179	9	1	1510.69439	1087.71693	1839.54805	1176.80014
679.030089	416.800861	1	0	1423.16883		381.038961	
2246.06835	1989.99991	8	7	3256.45787	1991.51479	1045.46852	531.855058
		0	0				
		0	0				
		0	0				
567.6	325.483	0	0				
1082.14333	305.725846	1	0	1406.76923		376.153846	
3655.29827	1405.80438	6	0	4277.60535	1691.59003	1170.20719	547.568044
		0	0				
		0	0				
1026.48977	236.188138	0	0				
1082.14333	305.725846	1	0	1406.76923		376.153846	
3655.29827	1405.80438	6	0	4277.60535	1691.59003	1170.20719	547.568044
		0	0				
		0	0				
1026.48977	236.188138	0	0				
1424.52603	655.883429	2	0	1099.18932	288.231827	462.667476	164.28562
2896.28297	877.139911	3	0	2896.28297	877.139911	767.415028	506.328339

AnnotatedResults

1474.43001	407.150329	1	0	1762.32877		433.273973	
2946.75		0	0				
883.784821	224.269723	2	0	944.339888	316.430285	370.019663	56.50101
1415.6894	568.355289	2	0	1099.18932	288.231827	462.667476	164.28562
2380.06814	1097.37223	6	0	2823.9588	907.553288	719.165787	476.759765
1381.70667	329.664293	1	0	1762.32877		433.273973	
1827.76379	1170.71607	0	0				
1116.23007	737.812978	2	0	944.339888	316.430285	370.019663	56.50101
1415.6894	568.355289	2	0	1099.18932	288.231827	462.667476	164.28562
2380.06814	1097.37223	6	0	2823.9588	907.553288	719.165787	476.759765
1381.70667	329.664293	1	0	1762.32877		433.273973	
1827.76379	1170.71607	0	0				
1116.23007	737.812978	2	0	944.339888	316.430285	370.019663	56.50101
		0	0				
873.733473	904.770896	41	35	1185.269	1024.404	1884.59738	928.531068
993.049	993.867	43	28	874.874	856.512	930.362	481.786
1219.27113	1345.74386	11	4	1413.13128	1703.19574	1350.51962	1713.40403
4339.23		1	0	4339.23		646.476	
1803.47371	1042.62912	28	11	1749.79122	969.451251	1750.75087	1029.69235
1658.44112	1129.49984	18	9	1614.62679	990.913375	980.586918	424.947634
1969.90717	1447.98194	7	3	2499.28102	1825.50606	2140.19301	2150.15375
4339.23473		1	0	4339.23473		646.475884	
1803.47371	1042.62912	28	20	1749.79122	969.451251	1750.75087	1029.69235
1658.44112	1129.49984	18	9	1614.62679	990.913375	980.586918	424.947634
1969.90717	1447.98194	7	3	2499.28102	1825.50606	2140.19301	2150.15375
		0	0				
1878.32472	1182.57558	38	25	2049.72927	1115.75569	2005.90684	1288.89412
1600.36913	1223.50436	15	4	1594.22905	1256.77705	1349.36375	861.6367
1770.88684	1335.11796	5	0	1173.70205	703.923472	849.767244	734.947375
1465.225	270.079435	0	0				
1885.40512	1183.79863	42	19	1920.43186	1134.06629	1841.93877	1252.05586
1589.96242	1180.23351	17	9	1510.5406	1203.27394	1256.43642	839.733682
1906.54872	1298.40513	7	0	1089.30084	603.797393	697.538255	654.129406
1465.225	270.079435	0	0				
1885.40512	1183.79863	42	33	1920.43186	1134.06629	1841.93877	1252.05586
1589.96242	1180.23351	17	9	1510.5406	1203.27394	1256.43642	839.733682
1906.54872	1298.40513	7	1	1089.30084	603.797393	697.538255	654.129406
749.866095	827.481841	0	0				
811.495086	849.267231	18	5	1416.83544	1257.60515	1147.64192	926.604742
1436.85044	1535.24305	5	5	3498.64614	1030.377	919.26846	833.883338
1057.73101	1364.14137	0	0				
515.91404	248.370344	4	2	563.918722	289.889607	453.524266	108.117328
1801.65504	1232.12869	0	0				
1789.50204	1255.25018	8	0	2314.70811	1251.21168	1042.14982	1027.83005
1962.17281	1614.07262	5	0	3503.42651	1032.01575	919.318965	833.824868
1603.57867	1555.63207	1	0	1924.09877		309.62963	
1962.36383	1869.44926	0	0				
1801.65504	1232.12869	0	0				
1789.50204	1255.25018	8	0	2314.70811	1251.21168	1042.14982	1027.83005
1962.17281	1614.07262	5	0	3503.42651	1032.01575	919.318965	833.824868
1603.57867	1555.63207	1	0	1924.09877		309.62963	
1962.36383	1869.44926	0	0				
1434.79558	812.476123	1	0	3040.33613		315.588235	
1682.67026	992.292527	12	0	2026.3695	1110.99547	1417.91996	1128.46092
2792.84411	1631.02209	9	0	3931.28624	806.96741	907.533691	556.882556
1823.98445	1422.7064	0	0				
1897.68495	1622.66994	1	1	649.526316		1032.33684	
1333.58968	675.166007	3	0	1681.81752	1176.53691	334.686584	26.45029

AnnotatedResults

1667.69857	1025.98631	14	0	2098.62436	1194.56472	1448.08227	1052.7409
2600.68016	1631.08245	9	0	3929.37356	814.181521	907.031852	558.479848
1327.85853	888.686863	0	0				
1689.2484	1375.7076	2	1	836.985408	303.102831	656.581652	387.215864
1333.58968	675.166007	3	0	1681.81752	1176.53691	334.686584	26.45029
1667.69857	1025.98631	14	4	2098.62436	1194.56472	1448.08227	1052.7409
2600.68016	1631.08245	9	7	3929.37356	814.181521	907.031852	558.479848
1327.85853	888.686863	0	0				
1689.2484	1375.7076	2	1	836.985408	303.102831	656.581652	387.215864
1204.52255	1394.65736	4	2	2235.41058	2010.929	1531.82329	788.916525
518.838542		0	0				
		0	0				
3739.6129		0	0				
2374.42699	1735.85023	4	0	3384.20216	1867.82486	1705.40426	687.144464
		0	0				
		0	0				
3335.93895	461.771046	0	0				
2374.42699	1735.85023	4	0	3384.20216	1867.82486	1705.40426	687.144464
		0	0				
		0	0				
3335.93895	461.771046	0	0				
1783.19036	1206.60859	2	0	3621.83834	662.165763	1601.8077	586.568552
2421.96729	2482.90869	0	0				
		0	0				
2523.61095	1745.38729	0	0				
1626.80047	1112.50309	2	0	3653.37108	617.781872	1636.37181	535.79622
2505.76043	1442.36974	1	0	1661.78571		604.371429	
		0	0				
3435.97918	1457.86874	0	0				
1626.80047	1112.50309	2	0	3653.37108	617.781872	1636.37181	535.79622
2505.76043	1442.36974	1	0	1661.78571		604.371429	
		0	0				
3435.97918	1457.86874	0	0				
1087.05964	1217.71624	47	35	1452.97371	1423.58253	1306.8285	626.766298
897.638931	1038.66601	28	20	1355.98657	1226.55306	1442.53382	894.436165
717.392381	703.423702	3	1	708.241473	320.617157	381.882228	126.757841
865.466544	979.2657	21	16	1351.83962	1255.21626	1324.40274	553.581638
736.635445	657.803745	0	0				
711.918378	668.888816	31	24	713.225211	364.932794	1952.80836	822.688202
721.248472	643.469767	8	4	712.669732	334.360303	2183.33596	1070.78978
794.970617	730.825576	8	5	1119.64453	781.609805	1109.77875	584.504158
902.717	809.035	18	12	1618.32	1100.03	1439.52	739.693
2413.95792	1447.21863	26	14	2606.25796	1446.86657	1188.97014	611.953118
1639.53007	1396.83516	18	0	1820.25455	1182.18341	1459.91938	926.832909
1442.45963	1064.05475	1	0	625.21875		307.6875	
1709.03644	1480.23968	13	0	2422.62522	1639.16762	1240.02424	593.48406
864.922368	310.294533	1	0	654.772727		544.80303	
1220.13898	962.52592	18	0	924.7867	366.882694	2464.49023	870.957864
1121.21909	910.907323	6	0	1402.05923	1296.533	1977.11444	1201.40359
1560.92186	906.40753	4	0	1808.58962	522.885318	1018.65188	615.611035
1519.64076	904.929075	15	0	1837.71693	996.260587	1427.20583	755.360092
2413.95792	1447.21863	26	14	2606.25796	1446.86657	1188.97014	611.953118
1639.53007	1396.83516	18	7	1820.25455	1182.18341	1459.91938	926.832909
1442.45963	1064.05475	1	1	625.21875		307.6875	
1709.03644	1480.23968	13	3	2422.62522	1639.16762	1240.02424	593.48406
864.922368	310.294533	1	0	654.772727		544.80303	
1220.13898	962.52592	18	8	924.7867	366.882694	2464.49023	870.957864
1121.21909	910.907323	6	4	1402.05923	1296.533	1977.11444	1201.40359

AnnotatedResults

1560.92186	906.40753	4	0	1808.58962	522.885318	1018.65188	615.611035
1519.64076	904.929075	15	0	1837.71693	996.260587	1427.20583	755.360092
2556.25474	1420.79916	15	0	2666.92421	1441.92307	1373.98489	914.079966
1755.41103	1317.47476	12	0	1436.74239	896.081554	1641.79324	1244.31771
1185.29736	887.773817	2	0	1475.44048	1155.86436	397.133132	105.462334
1877.32962	1327.58191	21	4	1939.62236	1172.08142	1745.91705	962.540682
1031.41692	491.613652	0	0				
1229.72303	1033.2179	12	0	1053.6125	718.238518	2330.70467	1268.96075
1299.82943	842.117144	7	0	1319.80656	635.613128	1940.59414	1664.88932
1266.29471	595.886476	6	0	1964.78467	599.19446	2285.71977	432.74807
1380.86607	868.093275	12	0	1888.95697	1053.02882	1712.55194	677.242709
2321.14135	1454.74357	17	0	2745.32695	1468.63527	1439.85003	958.333509
1707.72781	1313.14683	15	0	1279.42541	893.400644	1496.63595	1147.50796
1145.51185	840.15205	3	0	1330.26309	873.944501	543.448616	260.551797
1815.09337	1321.11966	21	4	1893.37044	1188.02427	1701.24599	972.574199
1301.53142	953.311803	0	0				
1271.37816	1065.73987	12	0	1042.27603	659.270561	2427.46532	1153.85094
1228.80848	817.221531	7	0	1317.62814	636.813145	1938.91882	1666.40177
1233.61596	562.492939	8	0	1851.09275	566.729961	1971.60496	849.690372
1367.35915	864.111255	13	0	1820.17902	1047.43925	1846.37658	691.133359
2321.14135	1454.74357	17	8	2745.32695	1468.63527	1439.85003	958.333509
1707.72781	1313.14683	15	1	1279.42541	893.400644	1496.63595	1147.50796
1145.51185	840.15205	3	0	1330.26309	873.944501	543.448616	260.551797
1815.09337	1321.11966	21	17	1893.37044	1188.02427	1701.24599	972.574199
1301.53142	953.311803	0	0				
1271.37816	1065.73987	12	0	1042.27603	659.270561	2427.46532	1153.85094
1228.80848	817.221531	7	0	1317.62814	636.813145	1938.91882	1666.40177
1233.61596	562.492939	8	6	1851.09275	566.729961	1971.60496	849.690372
1367.35915	864.111255	13	0	1820.17902	1047.43925	1846.37658	691.133359

AnnotatedResults

NumCellsM	TotalNumM	Marker2Pos	Marker2Pos	NumPosLab	NumPosLab	NumSphere	SphereMinS
1	0	400.922034		3	0	0	
4	1	503.017675	160.412868	8	2	2	178.046318
0	0			1	0	0	
1	0	1041.03279		3	0	0	
1	0	2647.78652		6	2	1	437.516256
2	0	383.887963	114.455909	4	0	0	
6	0	508.572636	198.613783	7	0	0	
0	0			0	0	0	
2	0	891.669833	211.231116	6	0	0	
3	0	2269.3297	462.564709	4	0	0	
2	0	383.887963	114.455909	4	0	0	
6	0	508.572636	198.613783	7	0	0	
0	0			0	0	0	
2	0	891.669833	211.231116	6	0	0	
3	0	2269.3297	462.564709	4	0	0	
1	0	440.209302		3	0	0	
5	0	1288.59013	1210.69398	6	0	0	
0	0			0	0	0	
1	0	3248.81818		3	0	0	
2	0	2762.52122	661.85915	4	0	0	
1	0	473.225		3	0	0	
5	0	1292.22833	1208.03535	8	0	0	
2	0	1149	442.648845	2	0	0	
1	0	3248.81818		8	0	0	
3	0	1960.41582	1414.40233	6	0	0	
1	0	473.225		3	0	0	
5	0	1292.22833	1208.03535	8	0	0	
2	0	1149	442.648845	2	0	0	
1	0	3248.81818		8	0	0	
3	0	1960.41582	1414.40233	6	0	0	
2	1	660.847403	249.695934	21	3	4	262.726883
3	0	785.888073	406.738765	8	0	0	
10	6	1285.64367	694.10194	55	14	8	116.164366
0	0			3	0	0	
0	0			1	0	0	
3	0	587.327338	362.860662	13	0	0	
5	0	751.144336	528.310621	8	0	0	
10	0	1384.24508	765.075877	32	0	0	
2	0	443.659241	193.993462	4	0	0	
0	0			1	0	0	
3	0	587.327338	362.860662	13	0	0	
5	0	751.144336	528.310621	8	0	0	
10	0	1384.24508	765.075877	32	0	0	
2	0	443.659241	193.993462	4	0	0	
0	0			1	0	0	
0	0			7	0	0	
3	0	1143.99361	831.018516	7	0	0	
5	0	741.531047	306.542901	11	0	0	
1	0	572.875648		3	0	0	
1	0	465.379747		2	0	0	
0	0			9	0	0	
3	0	1143.99361	831.018516	8	0	0	
4	0	653.303724	270.920032	14	0	0	
2	0	542.37532	152.620228	6	0	0	
2	0	397.831383	95.527812	3	0	0	
0	0			9	0	0	
3	0	1143.99361	831.018516	8	0	0	

AnnotatedResults

4	0	653.303724	270.920032	14	0	0
2	0	542.37532	152.620228	6	0	0
2	0	397.831383	95.527812	3	0	0
0	0			30	11	5 131.363442
3	0	781.018695	651.188033	20	1	2 10302.8022
26	17	1361.13679	608.347463	88	23	7 137.334507
0	0			0	0	0
0	0			6	1	1 393.547501
3	0	795.781684	635.797936	8	0	0
29	0	1314.29186	613.585884	51	0	1 642.70378
0	0			0	0	0
0	0			6	1	1 393.547501
3	0	795.781684	635.797936	8	0	0
29	13	1314.29186	613.585884	51	13	3 302.895869
0	0			0	0	0
0	0			7	1	1 265.983828
2	0	1212.09346	826.03289	12	0	0
29	0	1673.51203	952.430477	48	0	0
1	0	380		4	0	0
1	0	416		12	1	1 269.783597
3	0	980.531441	708.539392	14	0	0
31	0	1744.90511	1009.8736	57	0	0
1	0	381.910615		6	0	0
1	0	416		12	1	1 269.783597
3	0	980.531441	708.539392	14	0	0
31	14	1744.90511	1009.8736	57	14	3 301.810221
1	0	381.910615		6	0	0
1	0	562.427481		30	5	2 939.628584
0	0			4	1	1 10331.029
14	12	1474.01023	1032.47075	28	12	3 536.310249
2	0	1796.08628	1897.99662	21	7	4 10648.5811
22	13	1186.90085	481.199901	73	32	16 120.506959
2	0	1074.4621	819.974212	17	0	0
0	0			2	0	0
15	13	1637.09202	1215.25506	21	13	1 637.818363
3	0	1138.6677	1268.83586	8	0	0
21	0	1243.18758	592.664792	28	0	0
2	0	1074.4621	819.974212	17	0	0
0	0			2	0	0
15	13	1637.09202	1215.25506	21	13	1 637.818363
3	0	1138.6677	1268.83586	8	0	0
21	6	1243.18758	592.664792	28	6	2 568.336873
2	0	1805.85575	52.033518	13	0	0
2	0	511.434231	33.945748	7	0	0
12	10	1975.24216	1489.56641	17	10	1 453.258156
4	0	1676.9244	1356.4507	10	0	0
29	0	2022.69103	1007.95784	35	0	0
2	0	1805.85575	52.033518	19	0	0
3	0	470.743039	74.454524	9	0	0
13	10	2017.10063	1695.5448	17	10	1 488.541725
4	0	1678.32356	1359.0829	12	0	0
32	0	2039.17021	954.147341	42	0	0
2	0	1805.85575	52.033518	19	0	0
3	0	470.743039	74.454524	9	0	0
13	10	2017.10063	1695.5448	17	10	1 488.541725
4	0	1678.32356	1359.0829	12	0	0
32	7	2039.17021	954.147341	42	7	2 502.112328
40	20	1229.37084	725.187561	184	79	28 93.365752

AnnotatedResults

8	0	572.000832	309.024913	19	3	8	343.064856
9	5	642.85134	333.153743	57	9	7	96.622697
0	0			11	0	5	348.493097
37	24	1521.725	1009.7338	109	46	14	98.251169
43	0	1193.66889	724.536033	96	0	0	
11	0	593.932755	280.359854	12	0	0	
11	0	611.192098	296.351736	26	0	0	
0	0			2	0	0	
43	12	1561.67	963.824	73	15	1	605.792
43	7	1193.66889	724.536033	96	16	7	243.728038
11	4	593.932755	280.359854	12	4	1	210.072942
11	0	611.192098	296.351736	26	0	0	
0	0			2	0	0	
43	20	1561.67128	963.823681	73	23	3	200.844931
46	0	1687.12836	964.415172	98	0	0	
13	0	562.747968	227.521478	15	0	0	
14	0	700.961674	351.680221	28	0	0	
2	0	319.578273	12.916108	7	0	0	
43	9	1519.33815	728.223244	62	13	1	689.92948
47	0	1665.53909	946.516351	105	0	0	
13	0	562.130556	228.193119	16	0	0	
13	0	744.133102	396.089301	29	0	0	
3	0	639.801493	554.718077	10	0	0	
44	10	1519.96971	722.740917	65	13	1	698.614667
47	12	1665.53909	946.516351	105	20	5	271.412069
13	1	562.130556	228.193119	16	1	1	193.245393
13	0	744.133102	396.089301	29	0	0	
3	0	639.801493	554.718077	10	0	0	
44	11	1519.96971	722.740917	65	15	3	283.897025
1	0	410.697248		13	0	4	150.362286
3	0	1189.18919	1290.50098	28	4	1	247.527807
22	11	1296.7108	802.089763	158	79	28	104.222235
84	70	1546.2591	859.447333	189	105	22	130.820617
4	0	677.390473	317.621255	10	0	0	
11	0	1092.19952	710.018592	22	0	0	
27	0	1247.53859	772.755201	70	0	1	1048.73624
91	33	1658.09328	862.063701	128	35	2	927.143629
4	0	677.390473	317.621255	10	0	0	
11	0	1092.19952	710.018592	22	0	0	
27	2	1247.53859	772.755201	70	9	3	521.111173
91	56	1658.09328	862.063701	128	58	7	262.184059
5	0	608.849809	367.879175	13	0	0	
12	0	1008.4683	878.063817	19	0	0	
39	0	1425.45717	941.009245	102	3	1	1034.62281
108	32	2000.55468	1048.10785	145	33	2	944.514001
5	0	669.842224	336.525472	18	0	0	
13	0	1211.02301	1005.58272	22	0	0	
43	4	1403.92802	902.340847	118	12	2	534.681777
118	38	1909.06146	1051.13554	156	39	2	941.799881
5	0	669.842224	336.525472	18	0	0	
13	0	1211.02301	1005.58272	22	1	1	1202.35547
43	5	1403.92802	902.340847	118	20	5	122.678255
118	87	1909.06146	1051.13554	156	88	11	187.274328
1	0	2695.16129		3	1	1	1405.91452
0	0			2	0	0	
0	0			1	0	0	
0	0			4	0	0	
0	0			10	1	3	8291.63872

AnnotatedResults

3	0	1234.03935	1265.9388	4	0	0
0	0			1	0	0
0	0			0	0	0
0	0			1	0	0
1	0	566.607143		6	0	0
3	0	1234.03935	1265.9388	4	0	0
0	0			1	0	0
0	0			0	0	0
0	0			1	0	0
1	0	566.607143		6	0	0
1	0	371.75		3	0	0
0	0			6	0	0
1	0	311.416667		1	0	0
3	0	465.000242	96.525874	4	0	0
2	0	608.848605	246.37645	9	0	0
1	0	1208.92361		3	0	0
2	0	1409.63497	719.670022	12	0	0
1	0	311.416667		1	0	0
3	0	588.689869	319.76599	4	0	0
3	0	532.671557	218.539483	11	0	0
1	0	1208.92361		3	0	0
2	0	1409.63497	719.670022	12	0	0
1	0	311.416667		1	0	0
3	0	588.689869	319.76599	4	0	0
3	0	532.671557	218.539483	11	0	0
2	0	501.322794	92.840001	33	5	5 137.877331
1	0	1965.46421		14	4	4 431.002366
3	0	544.683848	305.215472	15	0	0
7	0	1797.81155	881.768768	10	0	0
3	0	544.683848	305.215472	15	0	0
7	6	1797.81155	881.768768	10	6	1 427.745421
2	0	896.545455	396.751187	13	0	0
4	0	1950.25699	1207.19621	8	0	0
2	0	919.961538	429.86653	15	0	0
4	0	1960.75644	1224.21222	7	0	0
2	0	919.961538	429.86653	15	0	0
4	0	1960.75644	1224.21222	7	0	0
19	9	1298.5307	741.409467	67	35	20 112.364597
2	0	912.272059	391.77577	25	1	2 1250.12399
0	0			2	0	0
0	0			0	0	0
23	16	1596.43446	614.361245	116	54	21 94.994224
19	0	1332.82036	756.776255	31	0	2 1206.69806
3	0	793.543949	342.878171	13	0	0
0	0			0	0	0
0	0			0	0	0
36	15	1468.67778	728.938825	99	22	4 1306.03488
19	0	1332.82036	756.776255	31	1	4 875.032512
3	0	793.543949	342.878171	13	0	0
0	0			0	0	0
0	0			0	0	0
36	15	1468.67778	728.938825	99	26	6 425.574125
23	2	1260.94694	720.102809	33	2	2 943.971177
5	0	521.608087	214.298327	17	0	0
0	0			2	0	0
0	0			0	0	0
13	0	1515.03379	811.099603	50	0	0
26	2	1226.16705	702.975741	40	2	3 949.942243

AnnotatedResults

5	0	521.608087	214.298327	19	0	0
0	0			2	0	0
0	0			0	0	0
17	0	1544.17958	829.39301	55	0	0
26	2	1226.16705	702.975741	40	2	3 949.942243
5	0	521.608087	214.298327	19	0	0
0	0			2	0	0
0	0			0	0	0
17	7	1544.17958	829.39301	55	13	4 1009.6529
13	6	1576.4	1201.2	67	25	11 184.56
0	0			6	0	0
0	0			7	1	2 155.247704
16	0	1421.21329	1132.66072	28	0	0
0	0			3	0	0
0	0			2	0	0
16	6	1421.21329	1132.66072	28	6	3 356.635459
0	0			3	0	0
0	0			2	0	0
23	11	1850.10003	1063.39883	43	11	1 423.945652
1	0	480.052174		3	0	0
0	0			2	0	0
24	11	1867.57732	1036.10614	48	11	1 422.31718
1	0	480.052174		6	0	0
0	0			4	0	0
24	11	1867.57732	1036.10614	48	13	3 422.31718
1	0	480.052174		6	0	0
0	0			4	0	0
2	0	552.235769	231.848506	13	2	2 147.105342
1	0	1869.76911		3	0	1 7617.99396
43	34	898.485367	530.01129	71	41	6 296.924804
3	0	488.003333	198.126935	7	0	0
1	0	1869.76911		3	0	0
48	14	900.191567	511.311744	56	17	1 872.318391
3	0	488.003333	198.126935	7	0	0
1	0	1869.76911		3	0	0
48	29	900.191567	511.311744	56	32	3 538.481546
3	0	538.807639	294.629395	7	0	0
0	0			1	0	0
33	14	969.576828	607.300255	40	15	1 624.24776
4	0	487.626856	261.436182	11	0	0
0	0			3	0	0
36	13	938.871723	597.284531	48	14	1 529.796359
4	0	487.626856	261.436182	11	0	0
0	0			3	0	0
36	13	938.871723	597.284531	48	14	1 529.796359
1	0	764.93913		2	0	0
1	0	396.404494		10	2	1 748.554487
0	0			0	0	0
0	0			1	0	0
0	0			5	1	1 11260.3439
1	0	682.09009		2	0	0
1	0	336		14	0	0
0	0			0	0	0
0	0			0	0	0
2	0	581.533937	393.629174	6	0	0
1	0	682.09009		2	0	0
1	0	336		14	0	0
0	0			0	0	0

AnnotatedResults

0	0			0	0	0
2	0	581.533937	393.629174	6	0	0
0	0			1	0	0
0	0			30	0	0
0	0			0	0	0
4	0	850.2859	495.425649	7	0	0
3	0	779.062561	315.138085	6	0	0
0	0			2	0	0
1	0	327.267606		107	0	0
1	0	614.871795		1	0	0
5	0	780.198896	452.540902	9	0	0
3	0	811.476625	264.60392	6	0	0
0	0			2	0	0
1	0	327.267606		107	0	0
1	0	614.871795		1	0	0
5	0	780.198896	452.540902	9	0	0
3	0	811.476625	264.60392	6	0	0
1	0	908.255474		3	0	0
3	0	355.960824	52.270413	14	0	1 406.57528
1	0	908.255474		2	0	0
5	0	406.098487	138.985007	10	0	0
1	0	908.255474		2	0	0
5	0	406.098487	138.985007	10	0	0
3	0	1198.69428	257.567621	4	0	0
5	0	477.605493	221.530457	7	0	0
3	0	1198.69428	257.567621	4	0	0
6	0	451.760133	208.010794	9	0	0
3	0	1198.69428	257.567621	4	0	0
6	0	451.760133	208.010794	9	0	0
3	0	448.793059	62.029602	22	7	3 621.533639
7	2	1240.93172	548.158398	20	5	3 155.790528
6	5	1385.85561	581.241369	39	9	4 372.377359
23	19	1354.31239	737.168239	47	23	12 134.077562
4	0	1607.65322	1288.52305	7	0	1 2284.7468
8	0	1274.18302	505.395841	14	0	0
9	0	1198.01877	593.110809	15	0	0
32	0	1561.40438	1047.57671	36	0	0
4	0	1607.65322	1288.52305	7	0	1 2284.7468
8	0	1274.18302	505.395841	14	0	1 868.518622
9	0	1198.01877	593.110809	15	0	0
32	6	1561.40438	1047.57671	36	6	1 757.782498
13	0	1407.32919	967.710599	14	0	1 1887.94236
8	0	1081.12958	444.710841	16	0	0
8	0	1650.77081	851.915027	21	0	0
24	0	1963.99412	1054.44536	28	0	0
14	0	1343.93772	957.07737	18	0	1 1908.02685
9	0	1098.42023	419.86613	17	0	0
7	0	1556.17027	890.819611	21	0	0
26	0	1869.69385	1045.62721	32	0	0
14	0	1343.93772	957.07737	18	0	1 1908.02685
9	0	1098.42023	419.86613	17	0	1 841.920239
7	0	1556.17027	890.819611	21	0	0
26	7	1869.69385	1045.62721	32	7	1 887.517467
0	0			3	0	0
0	0			0	0	0
1	0	408.315789		3	0	0
0	0			0	0	0
1	0	408.315789		3	0	0

AnnotatedResults

0	0			0	0	0
1	0	502.764706		3	0	0
0	0			0	0	0
1	0	481.521127		5	0	0
0	0			1	0	0
1	0	481.521127		5	0	0
0	0			1	0	0
1	0	344.444444		12	0	3 7697.24629
5	0	435.100659	169.090525	14	2	5 5744.70786
12	2	933.252139	606.437849	44	7	3 112.907421
3	0	341.322974	36.581682	5	0	0
4	0	439.722982	175.147099	6	0	0
19	0	822.88129	526.727454	31	0	0
3	0	341.322974	36.581682	5	0	0
4	0	439.722982	175.147099	6	0	0
19	0	822.88129	526.727454	31	0	1 707.299853
4	0	430.947448	54.232463	7	0	0
2	0	740.18433	465.233151	3	0	0
4	0	1154.30887	898.285367	11	0	0
6	0	419.171247	41.35393	12	0	0
5	0	767.934776	433.719078	8	0	0
9	0	969.007253	611.81638	35	0	0
6	0	419.171247	41.35393	12	1	1 305.067166
5	0	767.934776	433.719078	8	0	0
9	0	969.007253	611.81638	35	0	2 1276.17955
0	0			4	0	1 103.679411
0	0			3	0	0
7	2	1773.533	793.272985	20	2	1 158.504649
25	5	1214.0169	653.784693	137	21	10 82.509269
0	0			0	0	0
2	0	1857.47681	391.834236	3	0	0
5	0	1690.03585	734.956656	9	0	0
32	0	1439.20248	976.742884	98	0	0
0	0			0	0	0
2	0	1857.47681	391.834236	3	0	0
5	0	1690.03585	734.956656	9	0	0
32	0	1439.20248	976.742884	98	0	0
1	0	1640.06324		4	0	0
2	0	2248.26486	130.154112	5	0	0
0	0			0	0	0
15	0	1233.40544	732.857652	107	0	0
3	0	1229.85149	509.578405	7	0	0
5	0	1677.79717	772.982069	11	0	0
6	0	1592.9574	1013.05498	7	0	0
22	0	1349.7022	995.059665	167	0	0
3	0	1229.85149	509.578405	7	0	0
5	0	1677.79717	772.982069	11	0	0
6	0	1592.9574	1013.05498	7	0	0
22	0	1349.7022	995.059665	167	0	0
2	0	827.014319	528.682864	8	1	2 530.339184
2	0	495.248555	69.494163	52	7	4 232.871556
0	0			22	2	1 540.652842
0	0			2	2	1 92.822928
0	0			9	0	0
1	0	1515.49		18	4	1 490.713
0	0			0	0	0
1	0	812.318471		23	3	8 94.4514
5	0	1063.90722	454.74494	9	0	0

AnnotatedResults

2	0	495.248555	69.494163	26	0	0	
1	0	358.344156		14	0	0	
0	0			1	0	0	
8	0	841.076201	365.720673	10	0	0	
2	0	1034.67282	1034.50077	5	0	0	
0	0			1	0	0	
2	0	890.066212	109.95191	4	0	0	
5	0	1063.90722	454.74494	9	0	0	
2	0	495.248555	69.494163	26	0	0	
1	0	358.344156		14	0	0	
0	0			1	0	0	
8	0	841.076201	365.720673	10	0	0	
2	0	1034.67282	1034.50077	5	0	0	
0	0			1	0	0	
2	0	890.066212	109.95191	4	0	0	
5	0	764.671074	780.11115	6	0	0	
1	0	306.1375		66	0	0	
1	0	1322.12048		12	0	0	
0	0			3	0	0	
1	0	400.903885		4	0	0	
1	0	568.746392		9	0	0	
1	0	434.794872		2	0	0	
1	0	890.828025		6	0	0	
8	0	808.559503	572.568867	11	0	0	
4	0	399.267259	101.158729	211	0	0	
2	0	935.629206	546.581203	21	0	0	
0	0			4	0	0	
2	0	522.184141	170.935871	10	0	0	
1	0	568.746392		10	0	0	
1	0	418.691358		4	0	0	
1	0	890.828025		7	0	0	
8	0	808.559503	572.568867	11	0	0	
4	0	399.267259	101.158729	211	0	0	
2	0	935.629206	546.581203	21	0	0	
0	0			4	0	0	
2	0	522.184141	170.935871	10	0	0	
1	0	568.746392		10	0	0	
1	0	418.691358		4	0	0	
1	0	890.828025		7	0	0	
0	0			2	0	0	
3	0	1430.42313	1349.70326	3	0	0	
0	0			1	0	0	
0	0			2	0	0	
6	0	1219.21779	934.092096	6	0	0	
0	0			1	0	0	
0	0			2	0	0	
6	0	1219.21779	934.092096	6	0	0	
0	0			1	0	0	
0	0			1	0	0	
11	0	1050.71355	841.684286	15	0	0	
0	0			1	0	0	
0	0			1	0	0	
11	0	1048.27878	838.409533	15	0	0	
0	0			2	0	0	
0	0			1	0	0	
11	5	1048.27878	838.409533	15	5	1	305.60999
0	0			2	0	0	
1	0	421.591837		35	8	9	85.22339

AnnotatedResults

1	0	306.865672		13	7	9	171.532428
21	2	1175.34601	650.309683	52	10	6	164.475714
2	0	3867.59852	65.217538	4	0	0	
2	0	391.372936	29.235946	9	0	0	
3	0	1768.15078	2400.98328	6	0	0	
25	0	1130.42261	637.732705	42	0	0	
4	0	2940.96919	1078.88797	4	0	0	
2	0	391.372936	29.235946	9	0	1	278.468783
3	0	1768.15078	2400.98328	6	2	1	230.700259
25	0	1130.42261	637.732705	42	0	0	
4	0	2940.96919	1078.88797	4	0	0	
0	0			12	0	0	
5	0	343.004988	43.250466	10	0	0	
28	0	1383.02734	808.42486	47	0	0	
2	0	2634.02709	1831.59236	5	0	0	
1	0	312.598039		16	0	0	
7	0	390.900957	119.028187	13	0	0	
28	0	1362.93519	802.628593	50	0	0	
2	0	2634.02709	1831.59236	8	0	0	
1	0	312.598039		16	0	0	
7	0	390.900957	119.028187	13	1	1	308.324111
28	5	1362.93519	802.628593	50	6	1	459.229221
2	0	2634.02709	1831.59236	8	0	0	
0	0			6	0	0	
0	0			2	0	0	
21	13	1315.65959	1019.10411	35	18	12	180.217614
11	6	679.601298	346.846391	35	7	8	161.218769
0	0			4	0	0	
0	0			0	0	0	
25	0	1252.23134	901.290691	30	0	0	
14	0	669.415352	361.136269	21	0	0	
0	0			4	0	0	
0	0			0	0	0	
25	13	1252.23134	901.290691	30	13	2	352.292866
14	6	669.415352	361.136269	21	8	2	443.487321
0	0			2	0	0	
0	0			2	0	0	
20	0	1334.73582	1098.96791	30	0	0	
20	2	930.065393	641.517291	26	2	1	539.02437
0	0			7	0	0	
0	0			5	0	0	
21	0	1377.21614	1065.18512	33	0	0	
22	2	874.054303	605.873936	29	2	1	359.34958
0	0			7	0	0	
0	0			5	0	0	
21	6	1377.21614	1065.18512	33	6	2	359.892404
22	13	874.054303	605.873936	29	13	3	257.841466
38	25	1829.42856	965.513477	113	36	14	89.565983
0	0			0	0	0	
0	0			0	0	0	
1	0	784.527473		12	0	0	
1	0	355.584416		2	0	0	
41	10	1600.10523	822.221966	75	10	1	609.591508
0	0			0	0	0	
0	0			0	0	0	
0	0			5	0	0	
2	0	449.791304	109.353551	3	0	0	
41	10	1600.10523	822.221966	75	10	1	609.591508

AnnotatedResults

0	0			0	0	0
0	0			0	0	0
0	0			5	0	0
2	0	449.791304	109.353551	3	0	0
47	0	1952.33919	1041.26934	84	0	0
0	0			0	0	0
0	0			0	0	0
0	0			11	0	0
2	0	698.212308	267.042683	3	0	0
51	10	1992.61684	1062.09595	92	10	1 545.538259
0	0			0	0	0
0	0			0	0	0
0	0			13	0	0
2	0	698.212308	267.042683	5	0	0
51	30	1992.61684	1062.09595	92	32	4 332.208373
0	0			0	0	0
0	0			0	0	0
0	0			13	0	0
2	0	698.212308	267.042683	5	0	0
0	0			5	0	0
0	0			1	0	0
2	0	1952.42109	401.688231	13	1	1 629.133177
43	39	1248.34003	662.890442	71	48	9 151.990759
4	2	712.447138	212.317384	22	9	8 207.358821
1	0	396.444444		7	0	0
0	0			1	0	0
9	0	1688.49639	474.614954	14	0	0
49	15	1342.28984	656.55506	61	15	1 1017.25244
4	0	749.344261	214.020525	9	0	0
1	0	396.444444		7	0	0
0	0			1	0	0
9	0	1688.49639	474.614954	14	0	0
49	24	1342.28984	656.55506	61	24	2 744.211894
4	0	749.344261	214.020525	9	0	0
1	0	624.565217		9	0	0
0	0			0	0	0
6	0	2123.03487	700.749374	8	0	0
35	0	1570.61782	865.315005	41	0	0
8	0	920.674855	303.244632	17	3	1 440.230377
0	0			11	0	0
0	0			0	0	0
6	0	2093.56652	1001.87754	8	0	0
37	0	1495.74833	857.389125	48	0	0
10	0	885.517241	301.268124	20	3	1 441.858849
0	0			11	0	0
0	0			0	0	0
6	0	2093.56652	1001.87754	8	0	0
37	14	1495.74833	857.389125	48	15	2 485.28478
10	0	885.517241	301.268124	20	3	2 441.858849
0	0			1	0	0
0	0			1	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0
0	0			3	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0

AnnotatedResults

0	0			0	0	0
0	0			3	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0
2	0	601.259905	39.570877	9	0	0
0	0			1	0	0
0	0			2	0	0
0	0			0	0	0
0	0			1	0	0
4	0	489.339961	136.68716	13	0	0
0	0			3	0	0
0	0			3	0	0
0	0			0	0	0
1	0	429.21547		2	0	0
4	0	489.339961	136.68716	13	0	0
0	0			3	0	0
0	0			3	0	0
0	0			0	0	0
1	0	429.21547		2	0	0
45	30	1119.23748	569.010574	321	205	63 137.334507
15	10	1491.2307	561.891477	44	13	3 306.695638
14	9	1400.35646	932.167934	62	22	11 107.479179
43	27	1909.73063	1015.92201	132	49	14 139.505804
8	3	448.302517	139.75245	33	5	6 104.765059
50	10	1086.88937	569.108877	150	13	3 845.177184
17	0	1464.41609	761.786504	27	0	0
17	0	1390.41474	899.375455	25	0	1 524.368118
40	12	1932.67218	1001.15381	66	14	1 1134.50245
13	5	445.167651	130.154538	22	5	1 453.80098
50	16	1086.88937	569.108877	150	56	12 277.383135
17	0	1464.41609	761.786504	27	0	0
17	0	1390.41474	899.375455	25	0	1 524.368118
40	18	1932.67218	1001.15381	66	20	2 242.64239
13	10	445.167651	130.154538	22	10	2 376.177128
49	8	1179.73922	785.737745	135	16	2 449.458387
18	0	1160.21452	700.285405	33	0	0
25	0	1610.45435	1112.98364	44	2	1 485.827604
38	15	2362.57673	1065.90608	72	17	1 1139.38787
20	0	518.711074	191.480578	30	0	0
52	7	1194.53949	776.887612	148	16	2 444.030146
18	0	1154.37271	699.325619	36	0	0
27	0	1525.68271	1102.33361	50	2	1 493.427142
41	15	2283.59334	1119.01583	84	17	1 1142.10199
22	0	522.305069	182.436248	34	0	0
52	19	1194.53949	776.887612	148	56	14 403.861159
18	6	1154.37271	699.325619	36	9	2 291.496563
27	5	1525.68271	1102.33361	50	7	4 364.234997
41	24	2283.59334	1119.01583	84	31	6 275.754662
22	0	522.305069	182.436248	34	0	1 229.614611
1	0	1499.89623		22	1	1 5079.74829
0	0			27	4	8 7498.57265
6	0	1089.92116	400.522588	13	0	0
62	55	1809.14256	971.50843	103	63	18 103.679411
2	0	411.157647	66.577847	5	0	0
1	0	1499.89623		12	0	0
2	0	424.588115	119.808139	14	0	0

AnnotatedResults

5	0	1112.16007	428.524888	9	0	0
73	29	1725.14951	1047.45327	81	29	2 658.988504
3	0	402.803223	40.399295	5	0	0
1	0	1499.89623		12	0	0
2	0	424.588115	119.808139	14	0	0
5	0	1112.16007	428.524888	9	0	0
73	47	1725.14951	1047.45327	81	47	7 204.6447
3	0	402.803223	40.399295	5	0	0
2	0	1219.52254	1164.14484	16	0	0
2	0	538.124695	53.881968	9	0	0
5	0	1278.48959	436.56392	7	0	0
90	35	1941.28655	1341.26387	105	36	3 610.134332
3	0	735.656494	220.203869	4	0	0
2	0	1192.16498	1125.45542	16	0	0
1	0	516.831933		9	0	0
6	0	1230.18293	537.809	11	0	0
100	47	1863.24946	1300.13694	119	50	4 610.134332
4	0	627.620948	272.652313	7	0	0
2	0	1192.16498	1125.45542	16	0	0
1	0	516.831933		9	0	1 242.099566
6	0	1230.18293	537.809	11	0	0
100	70	1863.24946	1300.13694	119	74	8 230.157435
4	0	627.620948	272.652313	7	0	0
1	0	436.5		4	2	2 444.57297
11	5	1208.11885	518.99138	37	10	8 283.3542
2	0	506.204471	140.967027	3	0	1 235.585676
0	0			0	0	0
0	0			0	0	0
1	0	468.966942		2	0	0
14	0	1358.16452	704.300012	18	0	0
2	0	506.204471	140.967027	3	0	0
0	0			0	0	0
0	0			0	0	0
1	0	468.966942		2	0	1 451.086859
14	0	1358.16452	704.300012	18	0	0
2	0	506.204471	140.967027	3	0	0
0	0			0	0	0
0	0			0	0	0
4	0	1120.56168	565.012124	5	0	0
21	0	1661.1414	948.299046	25	0	0
0	0			2	0	0
0	0			2	0	0
1	0	1705.25		3	0	0
5	0	965.895658	589.401356	8	0	1 505.912097
22	0	1625.9865	947.893871	29	0	0
1	0	450.53125		4	0	0
2	0	555.70625	271.944429	3	0	0
1	0	1705.25		3	0	0
5	0	965.895658	589.401356	8	0	1 505.912097
22	8	1625.9865	947.893871	29	8	2 431.54519
1	0	450.53125		4	0	0
2	0	555.70625	271.944429	3	0	0
1	0	1705.25		3	0	0
13	5	1105.2041	471.227382	54	9	6 254.041697
32	21	1806.46107	893.248754	92	27	9 177.503493
1	0	1089.02308		8	1	1 88.480335
0	0			1	0	1 10029.7616
16	0	1176.09781	651.472241	30	0	0

AnnotatedResults

36	0	1737.39209	918.783001	59	0	0
1	0	1103.91729		2	0	0
1	0	355.78673		2	0	0
16	0	1176.09781	651.472241	30	0	0
36	9	1737.39209	918.783001	59	9	1 530.339184
1	0	1103.91729		2	1	1 344.693328
1	0	355.78673		2	0	0
23	0	1269.43111	742.833551	32	0	0
29	0	2118.67829	1329.06741	43	0	0
11	0	638.450172	492.182374	21	1	1 345.236152
1	0	1421.21739		7	0	0
25	8	1215.68566	737.917781	36	10	1 522.739646
33	10	2143.66944	1223.02626	62	10	1 435.344959
10	0	697.690177	497.734307	21	1	1 341.436383
10	0	809.646305	195.019702	23	0	0
25	8	1215.68566	737.917781	36	10	1 522.739646
33	16	2143.66944	1223.02626	62	16	2 401.147039
10	2	697.690177	497.734307	21	3	2 194.331042
10	0	809.646305	195.019702	23	0	0
1	0	414.978355		1	0	0
0	0			3	0	0
28	23	1696.31602	929.055861	130	75	27 93.908576
51	40	1366.47	753.377	123	62	19 128.649
1	0	414.978355		1	0	0
0	0			2	0	0
30	0	1811.6832	903.735321	63	0	0
56	19	1364.8538	756.498522	80	19	1 1334.26173
1	0	414.978355		1	0	0
0	0			2	0	0
30	12	1811.6832	903.735321	63	15	4 162.847242
56	25	1364.8538	756.498522	80	26	2 318.094945
1	0	357.866197		1	0	0
1	0	575.038674		3	0	0
43	0	2097.75282	1179.56395	73	0	0
62	22	1690.13061	961.704609	93	22	1 1319.60548
1	0	357.866197		1	0	0
1	0	575.038674		4	0	0
42	0	2115.53562	1189.65594	73	0	0
66	24	1697.9236	983.616083	100	24	1 1323.94807
1	0	357.866197		1	0	0
1	0	575.038674		4	0	0
42	16	2115.53562	1189.65594	73	16	5 227.986138
66	43	1697.9236	983.616083	100	44	4 320.266242
13	9	1725.28022	904.435315	77	24	8 140.048628
90	79	1298.31	717.073	184	143	38 112.365
12	6	1727.30703	905.841399	95	33	13 119.964135
1	0	359.686047		9	3	4 98.793993
4	4	832.309295	611.210621	29	12	5 254.041697
18	7	1839.09221	943.277789	41	11	1 362.063701
87	52	1325.00863	694.465814	113	64	7 363.149349
13	0	1602.79644	917.683336	53	0	0
0	0			2	0	0
7	0	699.848271	247.105059	13	0	0
18	15	1839.09221	943.277789	41	19	2 362.063701
87	62	1325.00863	694.465814	113	80	11 264.89818
13	4	1602.79644	917.683336	53	7	3 231.243083
0	0			2	0	0
7	0	699.848271	247.105059	13	0	0

AnnotatedResults

25	18	2328.59316	1249.11363	52	20	2	238.842621
78	53	1467.36279	868.091705	96	59	6	415.260466
19	0	1682.86312	1001.75495	54	0	0	
7	0	518.650551	204.984738	14	0	0	
13	0	845.205635	578.256634	27	0	0	
24	18	2390.78997	1225.13541	52	20	2	238.842621
75	49	1550.32334	885.885966	97	58	6	417.431763
19	0	1704.18429	995.526036	58	0	0	
7	0	510.604476	208.084541	15	0	0	
13	0	855.005948	570.010178	34	0	0	
24	18	2390.78997	1225.13541	52	23	3	238.842621
75	54	1550.32334	885.885966	97	70	11	152.533583
19	6	1704.18429	995.526036	58	7	3	339.807911
7	0	510.604476	208.084541	15	0	0	
13	4	855.005948	570.010178	34	10	2	420.145883
7	4	623.050277	280.076045	27	6	7	158.504649
4	0	1153.74438	398.589723	22	4	3	204.6447
0	0			0	0	0	
1	1	354.255319		11	1	1	85.766214
6	0	555.866913	296.365845	12	0	0	
9	0	1190.55827	404.049131	14	0	1	4200.91601
1	0	707.826087		1	0	0	
3	0	335.068213	38.186497	7	0	0	
6	0	555.866913	296.365845	12	0	0	
9	0	1190.55827	404.049131	14	0	1	4200.91601
1	0	707.826087		1	0	0	
3	0	335.068213	38.186497	7	0	0	
7	0	716.141476	517.898579	14	0	0	
6	0	781.772314	518.879535	14	0	1	2807.48645
0	0			2	0	0	
1	0	452.426087		3	0	0	
7	0	742.877807	509.622644	14	0	0	
10	0	1055.15483	621.274428	23	0	1	2812.91469
0	0			4	0	0	
1	0	466.513514		4	0	0	
7	3	742.877807	509.622644	14	3	1	294.753507
10	0	1055.15483	621.274428	23	0	1	2812.91469
0	0			4	0	0	
1	0	466.513514		4	0	0	
5	3	1989.81221	863.791174	6	3	1	355.549811
3	2	2117.15745	2947.11677	30	11	6	166.647011
0	0			0	0	0	
0	0			2	0	0	
3	0	1149.69828	236.30884	3	0	0	
5	0	2785.27006	2718.59774	13	0	0	
1	0	1120.6		1	0	0	
0	0			0	0	0	
3	0	1149.69828	236.30884	3	0	0	
5	2	2785.27006	2718.59774	13	2	1	617.191046
1	0	1120.6		1	0	0	
0	0			0	0	0	
4	0	2290.30738	1432.90548	5	0	0	
1	0	629.315068		3	0	0	
2	0	996.417238	876.385133	2	0	0	
1	0	320.113636		3	0	0	
7	0	2185.59553	889.458958	9	0	0	
3	0	1075.07364	1044.84326	6	0	0	
4	0	847.564351	544.288063	4	0	0	

AnnotatedResults

1	0	431.470588		5	0	0
7	0	2185.59553	889.458958	9	0	0
3	0	1075.07364	1044.84326	6	0	0
4	0	847.564351	544.288063	4	0	0
1	0	431.470588		5	0	0
0	0			0	0	0
0	0			0	0	0
0	0			0	0	0
1	0	374.88		1	0	0
1	0	472.828571		1	0	0
1	0	472.828571		1	0	0
15	13	1456.21788	915.194369	78	40	15 117.250014
17	7	1872.80029	1249.52303	149	60	20 87.93751
2	2	382.854285	58.072192	13	2	1 329.494252
0	0			4	0	0
3	2	3086.71339	2090.29784	6	2	1 895.117005
16	0	1526.0025	923.553893	33	0	1 1404.82887
21	0	1725.91839	1210.95758	136	0	0
2	0	382.854285	58.072192	5	0	0
0	0			2	0	0
2	0	2512.40399	2623.96029	4	0	0
16	0	1526.0025	923.553893	33	0	1 1404.82887
21	7	1725.91839	1210.95758	136	16	3 404.946808
2	0	382.854285	58.072192	5	0	0
0	0			2	0	0
2	0	2512.40399	2623.96029	4	0	0
11	0	1231.44274	669.892778	29	0	1 1480.82425
29	11	2108.14288	1442.27481	157	11	1 503.197977
2	0	583.324541	390.759642	5	0	0
0	0			4	0	0
4	0	811.123353	317.702716	8	0	0
13	0	1117.96091	677.345633	33	0	0
31	12	2071.12459	1431.78457	172	18	2 493.969966
2	0	582.926042	391.323205	6	0	0
0	0			9	0	0
4	0	959.497141	450.351397	9	0	0
13	0	1117.96091	677.345633	33	0	1 1482.99555
31	17	2071.12459	1431.78457	172	40	6 205.730349
2	1	582.926042	391.323205	6	1	1 312.12388
0	0			9	0	0
4	0	959.497141	450.351397	9	0	0
13	9	824.510783	441.912057	45	15	9 154.70488
19	5	1340.83291	836.257495	54	11	5 424.488477
1	0	647.5		11	0	1 11594.1808
1	0	383.772152		9	3	1 628.590353
3	0	517.075815	38.671861	7	2	1 10700.6922
15	0	793.312628	455.026393	24	0	0
28	0	1436.54699	931.604135	47	0	0
2	0	482.491667	253.980971	6	0	0
2	0	449.481314	92.926788	3	0	0
3	0	496.89	72.9174	6	0	0
15	0	793.312628	455.026393	24	0	0
28	5	1436.54699	931.604135	47	5	1 1273.46543
2	0	482.491667	253.980971	6	0	0
2	0	449.481314	92.926788	3	0	0
3	0	496.88985	72.917428	6	0	0
15	0	1023.44065	812.526918	31	0	0
12	0	2023.33505	1173.21473	31	0	0

AnnotatedResults

5	0	597.723257	245.562806	14	0	0	
5	0	746.733006	612.401417	10	0	0	
7	0	632.835087	277.293164	8	0	0	
16	0	1021.56203	785.757264	34	0	0	
20	0	1915.57088	1121.48853	44	0	0	
5	0	589.360591	228.372994	17	0	0	
7	0	699.762296	473.60758	18	0	0	
7	0	636.592008	275.427735	8	0	0	
16	0	1021.56203	785.757264	34	0	0	
20	5	1915.57088	1121.48853	44	7	2	738.783653
5	0	589.360591	228.372994	17	0	0	
7	0	699.762296	473.60758	18	0	0	
7	0	636.592008	275.427735	8	0	0	
2	0	630.055342	354.169057	3	0	0	
1	0	1911.49495		3	0	0	
6	2	674.389	434.205	16	6	5	359.35
0	0			0	0	0	
6	0	578.447079	261.447942	8	0	0	
1	0	1911.49495		3	0	0	
8	0	716.985197	413.13219	12	0	0	
1	0	587.957317		1	0	0	
6	0	578.447079	261.447942	8	0	0	
1	0	1911.49495		3	0	0	
8	1	716.985197	413.13219	12	2	1	317.552121
1	0	587.957317		1	0	0	
0	0			0	0	0	
0	0			1	0	0	
7	0	546.369435	305.280754	11	0	0	
0	0			0	0	0	
1	0	596.745763		3	0	0	
1	0	883.084337		2	0	0	
10	0	581.796391	312.46106	18	0	0	
0	0			0	0	0	
1	0	596.745763		3	0	0	
1	0	883.084337		2	0	0	
10	0	581.796391	312.46106	18	0	0	
0	0			0	0	0	
3	0	1179.21044	214.588158	35	22	30	85.766214
1	1	348.75		183	130	173	83.052093
0	0			69	41	90	81.966445
3	0	1176.88989	198.256223	11	0	24	242.099566
1	0	340.639535		2	0	51	391.919028
0	0			9	0	13	480.942187
3	0	1176.88989	198.256223	11	0	70	170.44678
1	0	340.639535		2	0	126	189.988449
0	0			9	0	28	204.101876
5	0	1049.00762	1032.67034	9	0	12	253.498873
1	0	935.666667		2	0	28	370.748887
2	0	373.059105	49.341364	12	0	14	360.435228
5	0	1055.50667	1045.99277	9	0	12	253.498873
1	0	935.666667		2	0	28	370.748887
2	0	373.059105	49.341364	13	0	21	410.375049
5	0	1055.50667	1045.99277	9	0	48	149.276638
1	0	935.666667		2	0	72	149.819462
2	0	373.059105	49.341364	13	1	58	165.561362
0	0			4	0	0	
0	0			2	0	0	
0	0			1	0	0	

AnnotatedResults

0	0			3	0	0
0	0			0	0	0
0	0			2	0	0
1	0	1820.95895		1	0	0
0	0			3	0	0
0	0			0	0	0
0	0			2	0	0
1	0	1820.95895		1	0	0
0	0			3	0	0
0	0			2	0	0
0	0			0	0	0
11	0	1601.75915	804.851297	14	0	0
0	0			2	0	0
0	0			2	0	0
0	0			2	0	0
17	0	1545.73661	786.046477	21	0	0
0	0			3	0	0
0	0			2	0	0
0	0			2	0	0
17	0	1545.73661	786.046477	21	0	1 701.871611
0	0			3	0	0
1	0	490.098453		37	9	6 291.496563
0	0			36	11	13 92.280104
0	0			39	9	10 157.961824
0	0			55	9	26 103.136586
2	0	411.052817	111.090459	8	0	0
0	0			5	0	0
0	0			5	0	0
0	0			6	0	0
2	0	411.052817	111.090459	8	0	2 344.150504
0	0			5	0	0
0	0			5	0	1 416.888939
0	0			6	2	2 226.357666
0	0			5	0	0
0	0			4	0	0
3	0	496.417244	127.055714	4	0	0
0	0			5	0	0
0	0			6	0	0
0	0			5	0	0
4	0	686.795325	392.514049	6	0	0
0	0			5	0	0
0	0			6	0	0
0	0			5	0	2 223.100721
4	0	686.795325	392.514049	6	0	0
0	0			5	0	0
0	0			3	1	1 252.956049
2	0	738.991108	330.332457	5	0	0
5	3	724.241982	347.894236	14	5	3 109.650476
0	0			0	0	0
0	0			2	0	0
3	0	760.995244	429.968568	3	0	0
8	0	711.41238	315.503637	13	0	0
0	0			0	0	0
0	0			2	0	0
3	0	760.995244	429.968568	3	0	0
8	0	711.41238	315.503637	13	0	0
0	0			0	0	0
0	0			4	0	0

AnnotatedResults

6	0	1111.25584	604.86861	10	0	0
1	0	535.275862		6	0	0
0	0			1	0	0
2	0	749.019706	376.419055	8	0	0
7	0	1039.97952	603.492417	9	0	0
2	0	421.204667	136.087885	12	0	0
1	0	445.565217		2	0	0
2	0	749.019706	376.419055	8	0	0
7	0	1039.97952	603.492417	9	0	0
2	0	421.204667	136.087885	12	0	1 1446.62633
1	0	445.565217		2	0	0
175	149	1658.01823	870.933137	294	204	49 88.480335
71	42	1022.04792	602.990826	130	52	25 89.023159
19	5	473.721812	154.66761	81	40	21 138.420155
187	102	1625.61201	861.822065	239	121	10 388.119259
74	10	1013.63724	592.786321	91	12	1 787.095001
20	2	464.201729	149.253379	48	10	3 309.409759
187	123	1625.61201	861.822065	239	144	14 330.579901
74	22	1013.63724	592.786321	91	24	5 394.090325
20	3	464.201729	149.253379	48	16	7 193.245393
234	124	2077.77512	1230.47553	293	145	10 372.920183
69	11	1236.22522	741.529902	84	12	1 870.147094
18	2	549.610916	249.398014	41	5	1 347.950273
246	140	2065.63167	1231.50996	311	163	11 375.634304
80	10	1149.65444	762.915005	97	10	1 754.525553
25	2	548.503682	236.433916	53	5	1 351.750042
246	182	2065.63167	1231.50996	311	211	22 230.157435
80	24	1149.65444	762.915005	97	24	4 464.657463
25	7	548.503682	236.433916	53	14	5 168.818307
14	6	1262.23606	533.713762	57	16	8 137.334507
75	65	1160.20162	742.48769	129	80	16 83.594917
52	34	1272.22672	767.328598	112	50	15 121.049783
55	41	1281.0641	704.165789	146	73	24 83.594917
3	0	529.638428	130.381106	18	3	5 307.781287
24	6	1050.55593	567.296681	36	10	1 531.424832
84	67	1263.26094	813.959223	100	68	4 362.606525
48	10	1333.62769	786.4522	70	10	1 787.637825
60	0	1290.7888	704.117734	93	0	1 555.309094
4	0	536.161252	190.493446	8	0	0
24	6	1050.55593	567.296681	36	10	1 531.424832
84	67	1263.26094	813.959223	100	68	4 362.606525
48	22	1333.62769	786.4522	70	25	3 288.239618
60	27	1290.7888	704.117734	93	33	8 312.666704
4	0	536.161252	190.493446	8	0	0
30	0	1642.63351	993.85646	38	0	0
72	55	1833.19982	1330.31224	88	56	3 382.148194
76	15	1657.62963	938.534013	101	15	1 699.157491
64	10	1595.67573	1033.07793	94	10	1 328.408604
2	0	421.844131	129.400726	6	0	0
29	0	1633.6624	989.435519	40	0	0
72	56	1841.75757	1348.28819	94	57	3 381.062545
88	22	1602.63753	940.222575	118	22	1 1221.89714
66	13	1590.4585	1024.95378	105	13	4 326.237307
3	0	511.249573	114.673571	8	0	0
29	13	1633.6624	989.435519	40	15	2 520.568349
72	56	1841.75757	1348.28819	94	57	5 208.987293
88	45	1602.63753	940.222575	118	46	5 300.181749
66	26	1590.4585	1024.95378	105	27	9 233.41438

AnnotatedResults

3	0	511.249573	114.673571	8	0	0
101	84	1596.50909	850.028256	199	130	27 110.736124
3	0	1051.23515	697.970186	17	0	3 129.734969
2	0	551.049107	303.595034	25	4	7 164.475714
19	14	1375.15185	894.528291	63	36	14 132.44909
106	54	1585.46753	836.22725	145	61	3 643.246604
3	0	1076.85257	677.330549	7	0	0
2	0	600.353781	358.077249	7	0	0
19	0	1383.79712	885.808021	23	0	0
106	75	1585.46753	836.22725	145	82	7 366.949118
3	0	1076.85257	677.330549	7	0	0
2	0	600.353781	358.077249	7	0	0
19	0	1383.79712	885.808021	23	1	1 271.954894
119	75	1818.84553	965.953625	152	83	5 414.717642
4	0	785.446925	304.865923	11	0	0
3	0	771.539139	379.696295	12	0	0
23	0	1880.25012	1380.05789	40	0	0
126	80	1793.10497	961.153676	158	87	5 414.717642
4	0	783.381559	307.040729	11	0	0
3	0	771.539139	379.696295	11	0	0
23	0	1881.93784	1374.40162	41	0	0
126	86	1793.10497	961.153676	158	95	10 208.987293
4	0	783.381559	307.040729	11	0	1 415.260466
3	0	771.539139	379.696295	11	0	0
23	6	1881.93784	1374.40162	41	7	4 210.072942
3	2	811.281029	171.577793	38	13	14 97.165521
8	3	546.51224	166.770184	50	15	19 85.766214
7	3	425.213594	138.451431	43	15	15 658.988504
165	149	1448.10682	834.52098	303	231	28 92.280104
4	0	724.307278	208.555223	14	0	0
8	0	529.470337	159.240305	27	0	0
7	0	408.494944	143.240787	16	0	0
177	159	1419.97804	819.17208	266	222	9 522.739646
4	0	724.307278	208.555223	14	0	0
8	0	529.470337	159.240305	27	0	0
7	1	408.494944	143.240787	16	2	2 499.941032
177	159	1419.97804	819.17208	266	222	13 319.180594
9	0	794.620322	728.730423	15	0	0
9	0	940.427014	698.590146	29	0	0
4	0	488.54313	199.802975	22	0	0
192	170	1866.67582	1085.59378	265	215	9 616.105397
7	0	604.007518	174.374159	16	0	0
9	0	863.979752	728.69109	36	0	0
6	0	531.961851	264.9116	28	0	0
195	183	1876.06763	1090.03058	276	233	10 349.035921
7	0	604.007518	174.374159	16	0	0
9	0	863.979752	728.69109	36	0	0
6	0	531.961851	264.9116	28	3	3 472.799825
195	187	1876.06763	1090.03058	276	238	17 231.243083
6	3	1339.60101	763.615915	30	4	4 161.218769
3	0	525.709067	27.494121	16	0	0
1	1	392.2		15	1	3 144.391221
4	0	779.862176	269.562294	17	0	0
7	0	1340.99021	681.957027	10	0	0
5	0	682.065422	403.894854	10	0	0
1	0	305.418		7	0	0
1	0	679.167286		5	0	0
7	0	1340.99021	681.957027	10	0	0

AnnotatedResults

5	0	682.065422	403.894854	10	0	0
1	0	305.418182		7	0	0
1	0	679.167286		5	0	0
12	0	1843.90907	1256.70613	15	0	0
8	0	672.744715	427.155299	14	0	0
4	0	756.045208	621.993072	8	0	0
5	0	585.750099	249.838524	18	0	0
12	0	1741.08864	1316.46492	15	0	0
8	0	613.4623	370.681829	15	0	0
4	0	756.045208	621.993072	10	0	0
8	0	577.872568	240.068454	36	0	0
12	6	1741.08864	1316.46492	15	6	1 461.943342
8	5	613.4623	370.681829	15	5	1 312.12388
4	0	756.045208	621.993072	10	0	0
8	0	577.872568	240.068454	36	0	0
41	28	1963.36993	1169.79911	97	43	12 143.848397
9	5	1305.95087	409.795096	36	9	5 264.355356
0	0			6	0	1 6626.79709
8	1	679.683792	330.641511	36	19	3 609.048684
42	17	2003.10084	1179.49474	72	17	1 679.615822
19	0	1612.29574	844.770586	27	0	0
0	0			3	0	0
8	1	624.602954	258.600902	26	16	1 637.818363
42	19	2003.10084	1179.49474	72	22	3 441.858849
19	6	1612.29574	844.770586	27	6	1 377.805601
0	0			3	0	0
8	1	624.602954	258.600902	26	16	1 637.818363
14	0	1936.51702	1066.37607	20	0	0
0	0			2	0	0
9	2	748.779358	555.133618	23	11	1 434.802135
16	0	1959.10019	931.896033	24	0	0
0	0			6	0	0
9	2	733.05255	491.876956	24	12	1 427.745421
16	0	1959.10019	931.896033	24	0	0
0	0			6	0	0
9	2	733.05255	491.876956	24	12	1 427.745421
68	38	541.674973	279.481298	93	46	30 128.649321
66	39	666.271	350.53	80	41	11 210.616
147	110	787.752914	418.269144	188	117	23 128.106497
73	8	532.369254	275.812334	79	8	1 434.802135
71	31	641.996019	340.815064	75	31	3 843.005887
152	92	764.004305	410.03723	161	92	5 414.174818
73	23	532.369254	275.812334	79	23	4 195.959514
71	32	641.996019	340.815064	75	32	5 144.934045
152	101	764.004305	410.03723	161	101	7 233.957204
90	11	627.114984	357.02548	93	11	1 463.02899
95	38	738.286937	414.713108	100	38	3 606.334563
147	93	853.060331	490.754934	150	93	5 298.010452
93	11	626.146356	361.318514	98	11	1 462.486166
128	42	705.883374	411.495376	135	42	3 725.755874
170	91	824.215821	476.103748	174	91	4 310.495407
93	27	626.146356	361.318514	98	27	4 185.103031
128	45	705.883374	411.495376	135	45	5 169.903955
170	108	824.215821	476.103748	174	108	7 223.100721
3	0	749.441501	575.633343	24	6	9 94.994224

AnnotatedResults

5	2	1324.15	499.477	34	12	9	166.647
3	3	4351.80412	953.282902	4	3	1	438.601904
2	0	761.251894	518.60122	21	3	4	85.22339
3	0	957.398947	824.504356	8	0	0	
8	0	1121.43073	492.069407	19	0	0	
3	0	4240.39867	913.466598	4	0	0	
2	0	761.251894	518.60122	6	0	0	
3	0	957.398947	824.504356	8	0	1	620.990815
8	0	1121.43073	492.069407	19	0	0	
3	0	4240.39867	913.466598	4	0	0	
2	0	761.251894	518.60122	6	0	0	
5	0	681.571705	578.456362	13	0	1	622.619287
3	0	1794.86708	1090.28716	12	0	0	
0	0			0	0	0	
1	0	1081.43046		7	0	0	
11	1	525.646089	397.998476	21	1	1	604.163266
5	0	1672.39715	856.469466	17	0	0	
0	0			1	0	0	
1	0	1081.43046		9	0	0	
11	1	525.646089	397.998476	21	2	2	394.633149
5	0	1672.39715	856.469466	17	0	0	
0	0			1	0	0	
1	0	1081.43046		9	0	0	
28	24	888.88951	654.567199	120	52	23	122.135431
18	15	493.20469	182.036429	48	26	10	116.70719
13	2	846.913476	545.93404	73	17	13	152.533583
3	0	802.138087	275.411489	7	0	0	
0	0			10	0	1	12381.2758
28	0	796.563123	530.54017	50	0	0	
16	14	530.495035	200.85258	23	14	1	1192.04181
17	0	797.359201	519.819357	31	0	0	
3	0	897.760911	358.411894	4	0	0	
2	0	685.900099	117.254394	4	0	0	
28	15	796.563123	530.54017	50	17	5	180.217614
16	14	530.495035	200.85258	23	14	2	272.497718
17	0	797.359201	519.819357	31	0	0	
3	0	897.760911	358.411894	4	0	0	
2	0	685.900099	117.254394	4	0	0	
35	0	1007.63039	721.47331	68	0	0	
29	19	553.384491	283.20493	41	19	1	1431.42725
19	0	999.816384	546.496203	34	0	0	
7	0	819.19064	523.733757	11	0	0	
2	0	565.687418	316.745841	8	0	0	
39	0	918.927421	687.949187	73	0	0	
28	20	572.894304	295.856892	43	20	1	1423.82772
20	0	969.762141	549.053635	37	0	0	
8	0	766.185111	507.535074	13	0	0	
2	0	565.687418	316.745841	14	0	0	
39	17	918.927421	687.949187	73	18	5	192.159745
28	22	572.894304	295.856892	43	22	2	221.472249
20	2	969.762141	549.053635	37	2	1	247.527807
8	0	766.185111	507.535074	13	2	1	205.730349
2	0	565.687418	316.745841	14	0	0	
0	0			0	0	0	
2	2	2646.24726	47.795547	3	2	1	437.516256
0	0			0	0	0	
1	0	2079.66316		4	0	0	
1	0	3760.74314		9	0	1	5835.90232

AnnotatedResults

0	0			0	0	0
7	0	2200.52175	712.821499	7	0	0
0	0			0	0	0
5	0	1667.05274	369.789806	5	0	0
2	0	2141.03824	2290.60864	7	0	0
0	0			0	0	0
7	0	2200.52175	712.821499	7	0	0
0	0			0	0	0
5	0	1667.05274	369.789806	5	0	0
2	0	2141.03824	2290.60864	7	0	0
0	0			1	0	0
3	0	3022.53716	1521.22334	3	0	0
0	0			2	0	0
10	0	1750.89669	748.643202	15	0	0
1	0	3611.60901		4	0	0
0	0			3	0	0
3	0	2971.3292	1386.14337	3	0	0
0	0			2	0	0
17	0	1454.76408	736.880755	23	0	0
2	0	2012.99201	2260.78585	11	0	0
0	0			3	0	0
3	0	2971.3292	1386.14337	3	0	0
0	0			2	0	0
17	6	1454.76408	736.880755	23	6	1 395.718797
2	0	2012.99201	2260.78585	11	0	0
0	0			0	0	0
10	2	977.471699	454.537919	32	11	6 211.701414
0	0			0	0	0
0	0			1	0	0
0	0			0	0	0
9	0	958.307446	535.746595	12	0	0
0	0			0	0	0
0	0			1	0	0
0	0			0	0	0
9	0	958.307446	535.746595	12	0	0
0	0			0	0	0
0	0			1	0	0
0	0			2	0	0
14	0	1396.00197	763.62212	25	0	0
0	0			1	0	0
0	0			1	0	0
0	0			3	0	0
18	0	1286.43072	644.774127	30	0	0
0	0			1	0	0
0	0			1	0	0
0	0			3	0	0
18	4	1286.43072	644.774127	30	4	1 326.237307
0	0			1	0	0
0	0			1	0	0
0	0			0	0	0
0	0			1	0	0
0	0			0	0	0
0	0			0	0	0
0	0			1	0	0
0	0			1	0	0
0	0			0	0	0
0	0			0	0	0
0	0			1	0	0
0	0			1	0	0
0	0			0	0	0
0	0			0	0	0
0	0			1	0	0

AnnotatedResults

0	0			1	0	0
0	0			0	0	0
0	0			0	0	0
0	0			2	0	0
0	0			2	0	0
0	0			2	0	0
0	0			0	0	0
0	0			3	0	0
0	0			2	0	0
0	0			6	0	0
0	0			0	0	0
0	0			3	0	0
0	0			2	0	0
0	0			6	0	0
0	0			0	0	0
2	0	1100.28244	175.534629	16	0	3 119.421311
5	1	812.838586	659.191556	19	4	3 98.793993
26	15	1290.82066	844.406572	49	25	7 85.22339
1	1	644.571429		10	4	4 6556.77277
28	19	588.201316	230.294226	60	30	20 178.589142
2	0	571.50997	204.974342	5	0	0
4	0	932.955995	687.710951	7	0	0
25	13	1346.21584	826.779616	33	13	1 451.629683
1	0	323.848101		1	0	0
28	0	587.684467	227.231606	35	0	0
2	0	571.50997	204.974342	5	0	0
4	0	932.955995	687.710951	7	0	0
25	17	1346.21584	826.779616	33	17	2 398.432918
1	0	323.848101		1	0	1 200.844931
28	15	587.684467	227.231606	35	17	7 151.990759
0	0			4	0	0
6	0	811.577519	687.946369	11	0	0
26	0	1591.40282	1049.92324	31	0	0
6	0	390.965193	144.949056	9	0	0
43	17	646.134201	305.380586	47	18	3 296.924804
1	0	694.156863		7	0	0
8	0	801.303541	624.047069	14	0	0
29	11	1471.03633	1012.25327	36	11	1 446.201442
7	0	490.701825	242.662836	10	0	0
44	22	620.185907	296.530853	47	23	3 324.608835
1	0	694.156863		7	0	0
8	0	801.303541	624.047069	14	0	0
29	11	1471.03633	1012.25327	36	11	1 446.201442
7	0	490.701825	242.662836	10	1	1 168.275483
44	27	620.185907	296.530853	47	28	5 148.19099
0	0			44	16	13 112.364597
13	2	681.381265	354.501416	47	13	12 183.474559
9	7	1042.36303	353.405954	80	24	10 296.38198
15	5	1420.91405	801.547677	74	28	12 109.107652
0	0			19	0	0
14	0	667.324593	348.94898	28	0	0
8	0	982.315921	356.905898	32	7	1 2028.53381
23	4	1242.51603	742.127893	60	15	1 6499.77624
0	0			19	0	0
14	0	667.324593	348.94898	28	1	1 446.744266
8	6	982.315921	356.905898	32	14	3 283.3542
23	4	1242.51603	742.127893	60	15	2 823.464218
1	0	825.347826		23	0	0

AnnotatedResults

21	0	731.399549	349.52312	34	0	0
18	1	1120.19314	621.273687	41	10	2 728.469994
25	2	1787.16815	860.010785	57	11	2 1465.62518
2	0	599.043031	320.043311	22	0	0
22	0	719.38068	346.510561	35	0	0
18	1	1123.4395	638.436257	46	10	2 610.134332
29	3	1603.71492	932.76608	62	10	1 4446.27252
2	0	599.043031	320.043311	22	0	0
22	6	719.38068	346.510561	35	8	2 180.760438
18	12	1123.4395	638.436257	46	21	5 142.762748
29	10	1603.71492	932.76608	62	18	4 357.721107
0	0			27	14	5 92.280104
37	28	1524.17436	1012.98431	106	51	15 136.791683
6	4	1199.64	436.078	84	16	7 110.193
20	15	1462.76619	797.319945	100	34	13 140.048628
1	0	365.022388		13	2	5 201.387755
0	0			11	0	0
37	10	1640.00822	998.196622	52	10	2 500.483856
10	0	992.282522	474.785087	42	0	1 1566.04764
20	0	1548.74659	820.565079	60	0	0
1	0	516.085202		4	0	0
0	0			11	0	0
37	18	1640.00822	998.196622	52	18	3 357.178283
10	0	992.282522	474.785087	42	0	1 1566.04764
20	0	1548.74659	820.565079	60	0	0
1	0	516.085202		4	0	0
0	0			9	0	0
43	14	2061.86704	1290.4607	61	14	1 496.141263
19	0	1022.85154	536.265305	59	0	1 1453.68304
22	6	1955.59597	1126.79263	61	7	1 1203.98394
1	0	344.87395		5	0	0
0	0			9	0	0
44	14	2066.1332	1308.41897	67	14	1 497.226911
21	0	990.459538	540.84389	68	0	2 580.279004
24	0	1879.91086	1121.21617	66	0	0
3	0	400.104371	67.277327	9	0	0
0	0			9	0	0
44	31	2066.1332	1308.41897	67	32	5 283.897025
21	0	990.459538	540.84389	68	0	3 551.509325
24	6	1879.91086	1121.21617	66	7	1 272.497718
3	0	400.104371	67.277327	9	0	0
19	10	1506.13058	729.582618	73	26	8 116.70719
23	9	1517.45	927.195	138	57	16 90.1088
25	19	1561.08798	985.303982	109	34	12 105.307883
1	0	538.155172		20	3	1 152.533583
19	0	1430.49465	752.567238	48	0	0
24	6	1432.1015	932.823462	59	8	2 1658.32774
25	0	1586.28343	1052.16019	61	0	0
1	0	538.155172		8	0	0
19	7	1430.49465	752.567238	48	7	1 507.54057
24	6	1432.1015	932.823462	59	12	5 567.794049
25	12	1586.28343	1052.16019	61	13	3 280.64008
1	0	538.155172		8	0	0
23	0	1707.41889	1000.16142	51	0	0
48	11	1867.43453	1100.07515	89	13	3 644.332253
28	0	1881.47091	965.36855	73	0	0
1	0	912.109091		14	0	0
24	0	1659.70693	971.634065	54	0	0

AnnotatedResults

52	10	1819.20759	1134.57307	99	14	4	691.015129
30	0	1862.5214	1010.24087	83	0	0	
1	0	912.109091		15	0	0	
24	6	1659.70693	971.634065	54	6	1	407.118104
52	20	1819.20759	1134.57307	99	31	10	181.303262
30	7	1862.5214	1010.24087	83	9	2	389.747732
1	0	912.109091		15	2	1	290.410914
6	6	680.602723	381.441279	19	11	5	122.678255
9	2	1377.39764	464.923422	21	5	3	390.290556
1	0	496.533333		6	0	0	
20	8	959.308929	748.344924	36	12	9	154.70488
3	0	526.35866	242.130148	28	12	6	105.850707
11	10	725.727746	330.640354	16	11	1	780.581112
13	0	1316.73229	461.115651	16	0	0	
1	0	496.533333		4	0	0	
33	0	1005.98826	741.356112	40	0	1	1637.70043
3	0	405.968063	55.894783	18	5	1	806.093846
11	10	725.727746	330.640354	16	11	1	780.581112
13	0	1316.73229	461.115651	16	0	1	1429.79878
1	0	496.533333		4	0	0	
33	5	1005.98826	741.356112	40	5	2	369.663238
3	0	405.968063	55.894783	18	5	2	374.005832
13	7	893.041073	675.299614	13	7	1	542.281315
9	0	1816.72464	763.19706	11	0	0	
2	0	470.720366	5.397702	5	0	0	
31	0	1105.24613	921.1948	35	0	1	2005.19237
8	0	448.066607	117.126955	30	9	2	445.115794
14	0	853.479085	632.799445	17	0	0	
14	0	1483.01439	794.485808	16	0	0	
2	0	523.60846	69.397358	6	0	0	
30	0	1128.80832	931.027245	36	0	1	2013.87756
9	0	452.647913	111.54074	37	10	2	445.115794
14	7	853.479085	632.799445	17	7	1	442.944497
14	0	1483.01439	794.485808	16	0	1	1353.26058
2	0	523.60846	69.397358	6	0	0	
30	15	1128.80832	931.027245	36	15	4	345.236152
9	4	452.647913	111.54074	37	17	3	445.115794
3	0	1677.71956	638.897892	8	1	2	372.377359
11	7	1324.94679	717.041349	33	16	10	92.280104
0	0			0	0	0	
0	0			7	0	0	
6	0	1388.84046	691.228175	7	0	0	
13	0	1226.51398	680.120096	17	0	0	
0	0			0	0	0	
1	0	431.116279		4	0	0	
6	0	1388.84046	691.228175	7	0	0	
13	0	1226.51398	680.120096	17	0	2	816.407505
0	0			0	0	0	
1	0	431.116279		4	0	0	
6	0	1292.62372	697.860787	9	0	0	
22	6	1391.36678	909.70824	32	10	2	772.981574
0	0			0	0	0	
1	0	432		4	0	0	
7	0	1373.60636	689.556804	15	0	0	
29	8	1278.39877	909.658702	39	12	2	967.312615
1	0	573.333333		1	0	0	
2	0	412.811594	27.136504	6	0	0	
7	0	1373.60636	689.556804	15	0	0	

AnnotatedResults

29	8	1278.39877	909.658702	39	12	3	967.312615
1	0	573.333333		1	0	0	
2	0	412.811594	27.136504	6	0	0	
38	29	1271.52688	721.154254	147	68	17	94.4514
31	24	1611.75108	1084.75298	111	44	12	128.649321
13	6	1138.30776	562.25342	73	24	8	228.528962
5	1	524.428315	118.340249	29	11	4	166.647011
0	0			2	0	0	
44	14	1360.88779	715.908698	96	15	1	1062.30684
34	0	1616.18001	1049.9627	47	0	0	
14	0	1280.34436	606.94038	35	1	1	1357.60317
6	0	731.399977	622.297609	14	0	0	
1	0	411.69403		2	0	0	
44	20	1360.88779	715.908698	96	27	3	247.527807
34	16	1616.18001	1049.9627	47	16	2	253.498873
14	0	1280.34436	606.94038	35	1	1	1357.60317
6	0	731.399977	622.297609	14	1	1	211.15859
1	0	411.69403		2	0	0	
75	28	1711.33431	983.090088	124	28	1	1018.33808
37	10	1865.62035	1314.8112	48	10	1	814.779032
15	0	1753.48193	1056.0913	31	2	1	1851.03031
4	0	483.379434	226.681504	12	0	0	
2	0	552.918443	343.880154	6	0	0	
83	29	1675.41234	1027.21738	136	29	1	1021.59503
40	10	1742.8926	1323.56382	56	10	1	787.637825
16	0	1716.71164	1037.24109	34	2	1	1862.42962
5	0	571.594119	279.678449	15	0	0	
2	0	552.918443	343.880154	8	0	0	
83	52	1675.41234	1027.21738	136	60	7	235.585676
40	18	1742.8926	1323.56382	56	18	2	303.438694
16	6	1716.71164	1037.24109	34	8	3	260.555587
5	1	571.594119	279.678449	15	3	2	208.987293
2	0	552.918443	343.880154	8	0	0	
0	0			0	0	0	
3	2	362.135	32.106422	6	2	2	279.554431
0	0			0	0	0	
4	0	684.86151	640.678859	5	0	0	
0	0			0	0	0	
4	0	684.86151	640.678859	5	0	0	
0	0			0	0	0	
2	0	703.295045	322.386544	3	0	0	
0	0			3	0	0	
2	0	1528.90424	845.201177	4	0	0	
0	0			3	0	0	
2	0	1528.90424	845.201177	4	0	0	
1	0	322.548387		3	0	0	
0	0			2	0	0	
1	0	331.02459		3	0	0	
2	1	536.219815	59.78162	28	7	8	168.275483
3	0	595.368452	257.991293	3	0	0	
0	0			1	0	0	
0	0			1	0	0	
2	0	566.113826	17.505103	9	0	0	
3	0	595.368452	257.991293	3	0	0	
0	0			1	0	0	
0	0			1	0	0	
2	0	566.113826	17.505103	9	0	0	
1	0	324.925373		2	0	0	

AnnotatedResults

0	0			4	0	0
0	0			1	0	0
4	0	555.993184	207.6969	18	0	0
2	0	549.458622	317.537965	3	0	0
0	0			5	0	0
1	0	453.736842		3	0	0
3	0	543.472868	233.788188	21	0	0
2	0	549.458622	317.537965	3	0	0
0	0			5	0	0
1	0	453.736842		3	0	0
3	0	543.472868	233.788188	21	0	0
27	26	1114.38	456.97	115	42	11 97.7083
9	5	985.688474	387.674865	58	16	6 123.221079
0	0			1	0	0
23	8	1335.49589	784.564849	76	18	7 108.564828
0	0			5	0	1 115.078717
25	13	1179.85187	474.239981	85	15	2 822.37857
10	0	933.075976	401.588672	24	0	0
0	0			1	0	0
27	0	1258.2277	781.013481	48	0	0
0	0			3	0	0
25	19	1179.85187	474.239981	85	21	3 822.37857
10	0	933.075976	401.588672	24	0	0
0	0			1	0	0
27	0	1258.2277	781.013481	48	0	0
0	0			3	0	0
34	15	1485.29391	691.779076	90	16	2 933.114695
15	0	1264.29965	556.628381	32	0	0
4	0	948.857662	591.631062	6	0	0
27	0	1413.56485	922.942735	48	0	0
1	0	304.390244		6	0	0
36	16	1450.74289	697.553107	98	17	2 933.114695
14	0	1219.94564	551.601249	35	0	0
4	0	934.790096	615.256927	7	0	0
27	0	1487.49787	870.275345	54	0	0
2	0	338.096761	47.668214	8	0	0
36	24	1450.74289	697.553107	98	25	3 933.114695
14	2	1219.94564	551.601249	35	3	2 378.348425
4	0	934.790096	615.256927	7	0	0
27	0	1487.49787	870.275345	54	0	0
2	0	338.096761	47.668214	8	0	0
1	0	841.111		30	11	6 186.189
1	0	1503.22353		4	0	1 248.613456
0	0			2	0	0
0	0			1	0	0
1	0	677.980198		5	0	0
1	0	1402.45258		3	0	0
0	0			0	0	0
0	0			0	0	0
1	0	677.980198		5	0	0
1	0	1402.45258		3	0	0
0	0			0	0	0
0	0			0	0	0
3	0	394.621342	123.270048	7	0	0
0	0			2	0	0
0	0			0	0	0
1	0	491.669811		2	0	0
5	0	544.819319	223.579236	14	0	0

AnnotatedResults

2	0	483.420968	81.205511	5	0	0
0	0			0	0	0
1	0	1399.69668		1	0	0
5	0	544.819319	223.579236	14	0	0
2	0	483.420968	81.205511	5	0	0
0	0			0	0	0
1	0	1399.69668		1	0	0
1	0	1455.93287		3	0	0
0	0			3	0	2 89.565983
1	0	1025.97938		3	0	0
7	2	1979.72044	755.797907	11	2	1 394.090325
0	0			4	0	0
3	0	758.932646	422.264554	7	0	0
1	0	322.587413		3	0	0
1	0	715.971223		2	0	0
5	0	1961.50795	648.673913	6	0	0
1	0	784.82392		2	0	0
3	0	758.932646	422.264554	7	0	0
1	0	322.587413		3	0	0
1	0	715.971223		2	0	0
5	0	1961.50795	648.673913	6	0	0
1	0	784.82392		2	0	0
2	0	1635.60035	373.270096	3	0	0
4	0	545.22877	349.086284	8	0	0
0	0			1	0	0
0	0			0	0	0
1	0	1988.6113		2	0	0
4	0	1569.55784	251.162546	9	0	0
8	0	468.120066	242.975506	15	0	0
0	0			1	0	0
2	0	1397.01703	42.574141	3	0	0
1	0	1988.6113		2	0	0
4	0	1569.55784	251.162546	9	0	0
8	3	468.120066	242.975506	15	3	1 377.805601
0	0			1	0	0
2	0	1397.01703	42.574141	3	0	0
1	0	1988.6113		2	0	0
1	0	379.6		15	0	0
4	2	612.843643	223.621903	28	10	2 601.99197
0	0			7	0	0
4	3	1360.93028	575.597095	21	3	1 529.253535
0	0			0	0	0
1	0	378.348837		10	0	0
7	0	949.535862	427.436752	27	0	0
2	0	864.808429	188.989865	7	0	0
4	0	1348.88933	570.175036	8	0	0
0	0			1	0	0
1	0	378.348837		10	0	0
7	0	949.535862	427.436752	27	0	0
2	0	864.808429	188.989865	7	0	0
4	0	1348.88933	570.175036	8	0	0
0	0			1	0	0
3	0	450.473026	142.835072	7	0	0
0	0			10	0	0
1	0	763.2		7	0	0
5	0	1932.23957	1020.14719	7	0	0
0	0			1	0	0
3	0	450.473026	142.835072	10	0	0

AnnotatedResults

0	0			36	0	0
1	0	763.2		12	0	0
8	0	1815.18295	879.156768	11	0	0
0	0			1	0	0
3	0	450.473026	142.835072	10	0	0
0	0			36	0	0
1	0	763.2		12	0	0
8	0	1815.18295	879.156768	11	0	0
0	0			1	0	0
3	2	1947.36536	624.577089	11	2	1 325.694483
5	0	1202.49102	583.452612	12	0	0
4	0	1236.80052	1355.30989	10	0	2 617.73387
5	0	1785.57387	575.491607	7	0	0
12	0	994.809007	472.502478	16	0	0
3	0	1522.08604	1496.84396	6	0	0
5	0	1785.57387	575.491607	7	0	0
12	0	994.809007	472.502478	16	0	0
3	0	1522.08604	1496.84396	6	0	0
0	0			0	0	0
7	0	882.374599	370.898363	8	0	0
1	0	848.693227		1	0	0
0	0			0	0	0
12	0	1126.39199	684.408202	21	0	0
1	0	848.693227		2	0	0
0	0			0	0	0
12	0	1126.39199	684.408202	21	0	0
1	0	848.693227		2	0	0
2	0	903.112812	449.976317	28	0	0
9	2	1023.6824	406.262987	53	12	7 108.022004
0	0			3	0	0
1	0	1209.72222		3	0	0
2	0	901.123249	452.789984	16	0	0
12	0	1272.72304	512.355998	41	0	0
0	0			1	0	0
1	0	1408.68421		5	0	0
2	0	901.123249	452.789984	16	0	0
12	0	1272.72304	512.355998	41	0	0
0	0			1	0	0
1	0	1408.68421		5	0	0
2	0	324.689362	19.389771	10	0	0
9	0	1323.14816	636.616803	15	0	0
1	0	422.5		1	0	0
0	0			2	0	0
2	0	324.689362	19.389771	10	0	0
13	0	1062.19778	785.929317	22	0	0
1	0	438.148148		1	0	0
1	0	467.232323		3	0	0
2	0	324.689362	19.389771	10	0	0
13	0	1062.19778	785.929317	22	0	0
1	0	438.148148		1	0	0
1	0	467.232323		3	0	0
29	20	1274.25732	692.010782	50	24	7 147.105342
0	0			1	0	0
1	0	505.142857		8	0	0
0	0			4	0	0
0	0			10	2	1 265.441004
31	10	1260.4273	751.067444	38	11	1 550.966501
0	0			0	0	0

AnnotatedResults

1	0	488.444444		2	0	0
0	0			1	0	0
0	0			3	0	0
31	17	1260.4273	751.067444	38	18	2 533.596128
0	0			0	0	0
1	0	488.444444		2	0	0
0	0			1	0	0
0	0			3	0	0
41	13	1581.7565	954.515289	47	14	1 601.99197
1	0	3070.91653		2	0	0
0	0			4	0	0
1	0	651.955224		4	0	0
0	0			5	0	0
43	13	1510.2035	954.579065	56	14	1 555.851918
1	0	3070.91653		2	0	0
0	0			5	0	0
1	0	679.212598		7	0	0
0	0			7	0	0
43	19	1510.2035	954.579065	56	20	2 452.715332
1	0	3070.91653		2	0	0
0	0			5	0	0
1	0	679.212598		7	0	0
0	0			7	0	0
0	0			3	2	1 275.754662
3	0	798.655899	474.431272	24	0	2 12075.6658
1	0	3015.27273		5	1	2 8656.95937
1	0	416.914286		5	1	2 137.334507
1	0	783.786667		4	0	0
4	0	685.873645	448.258893	13	0	0
1	0	3021.7		5	0	0
1	0	399.272727		2	0	0
1	0	783.786667		4	0	0
4	0	685.873645	448.258893	13	0	0
1	0	3021.7		5	0	0
1	0	399.272727		2	0	0
2	0	481.063482	14.628519	10	0	0
1	0	411.778338		6	0	0
0	0			2	0	0
2	0	554.89972	173.362776	3	0	0
3	0	455.32411	50.499112	12	0	0
2	0	611.967889	291.780891	10	0	0
0	0			2	0	0
5	0	463.60393	145.878122	8	0	0
3	0	455.32411	50.499112	12	0	0
2	0	611.967889	291.780891	10	0	0
0	0			2	0	0
5	0	463.60393	145.878122	8	0	0
4	0	1569.21881	1319.79603	27	6	2 118.335662
20	12	600.522286	353.530209	70	17	11 81.966445
19	16	477.682371	233.340922	41	18	5 161.761593
54	35	1079.43317	524.973675	99	42	14 166.104186
60	42	1233.40056	706.129116	108	50	13 101.508114
4	0	1573.59783	1326.41028	15	0	0
23	8	609.298213	325.195333	38	8	1 336.550966
20	0	469.407701	230.117152	30	0	0
56	11	1096.53196	558.005953	69	11	1 425.031301
56	17	1247.43375	711.922091	79	17	1 2815.08598
4	0	1573.59783	1326.41028	15	0	0

AnnotatedResults

23	11	609.298213	325.195333	38	11	2	215.501183
20	8	469.407701	230.117152	30	8	2	181.846086
56	22	1096.53196	558.005953	69	22	3	402.232687
56	17	1247.43375	711.922091	79	17	1	2815.08598
10	0	1636.27166	1351.48214	32	14	1	726.298698
34	10	635.407662	342.363887	51	10	1	400.06139
23	12	511.348458	258.662791	36	12	1	540.652842
62	17	1472.57633	711.717668	78	18	1	499.398208
57	18	1364.00205	913.89151	76	18	1	3567.98306
12	0	1450.85619	1298.08934	38	15	1	726.298698
38	10	633.200301	352.38773	60	10	1	400.06139
24	13	515.493426	257.889672	38	13	1	559.108863
67	17	1412.16417	739.033618	91	18	1	498.312559
61	18	1330.34753	904.682091	83	18	1	3515.32912
12	0	1450.85619	1298.08934	38	15	1	726.298698
38	10	633.200301	352.38773	60	13	2	400.06139
24	13	515.493426	257.889672	38	13	1	559.108863
67	25	1412.16417	739.033618	91	27	4	280.097256
61	18	1330.34753	904.682091	83	18	1	3515.32912
2	0	579.344694	370.947864	16	0	1	11004.6738
6	4	1114.82653	822.43682	40	6	6	212.787062
1	0	791.705882		14	3	2	8363.29151
0	0			6	0	0	
2	0	584.073034	377.634746	4	0	0	
6	0	1125.93794	824.387596	16	0	0	
1	0	791.705882		4	0	0	
0	0			1	0	0	
2	0	584.073034	377.634746	4	0	0	
6	0	1125.93794	824.387596	16	0	0	
1	0	791.705882		4	0	0	
0	0			1	0	0	
0	0			5	0	0	
6	0	1422.92402	1039.47038	24	0	0	
1	0	1047.70086		4	0	0	
0	0			6	0	0	
0	0			5	0	0	
6	0	1488.50355	977.373036	31	0	0	
2	0	1043.85799	7.121913	6	0	0	
0	0			7	0	0	
0	0			5	0	0	
6	0	1488.50355	977.373036	31	0	0	
2	0	1043.85799	7.121913	6	0	0	
0	0			7	0	0	
0	0			25	0	1	5064.00639
1	0	689.47541		35	2	8	138.420155
0	0			17	1	1	1105.18995
0	0			16	0	0	
1	0	689.47541		13	0	0	
1	0	326.730924		14	0	0	
0	0			16	0	0	
1	0	689.47541		13	0	0	
1	0	326.730924		14	0	0	
2	0	603.96047	113.709721	20	0	0	
4	0	488.749657	243.342136	15	0	0	
1	0	398.27027		23	0	0	
3	0	673.571433	156.280362	21	0	0	
4	0	490.463362	242.761618	16	0	0	
1	0	398.27027		23	0	0	

AnnotatedResults

3	0	673.571433	156.280362	21	0	0
4	0	490.463362	242.761618	16	0	0
1	0	398.27027		23	0	0
0	0			3	0	0
0	0			6	0	0
0	0			2	0	0
0	0			4	0	0
0	0			2	0	0
0	0			4	0	0
0	0			0	0	0
8	0	845.974654	341.390373	10	0	0
1	0	743.52381		5	0	0
0	0			0	0	0
11	0	771.78882	365.961832	16	0	0
1	0	743.52381		8	0	0
0	0			0	0	0
11	6	771.78882	365.961832	16	6	2 443.487321
1	0	743.52381		8	0	0
0	0			2	0	0
1	0	1414.4		1	0	0
2	1	398.212	130.327	11	3	4 559.109
8	2	696.435777	253.629127	55	13	9 86.309038
0	0			0	0	0
2	0	914.251282	707.3171	2	0	0
2	0	372.34026	93.738483	3	0	0
10	0	642.667522	266.037657	28	0	0
0	0			0	0	0
2	0	914.251282	707.3171	2	0	0
2	0	372.34026	93.738483	3	0	0
10	0	642.667522	266.037657	28	0	0
3	0	2883.36188	533.653209	4	0	0
1	0	2064.37956		1	0	0
4	0	854.352848	615.89204	5	0	0
2	0	896.062679	593.598211	3	0	0
4	0	2324.50855	949.73705	6	0	0
2	0	1310.09454	1066.7201	6	0	0
6	0	890.878697	523.012054	9	0	0
3	0	829.398417	360.124021	11	0	0
4	0	2324.50855	949.73705	6	0	0
2	0	1310.09454	1066.7201	6	0	0
6	0	890.878697	523.012054	9	0	0
3	0	829.398417	360.124021	11	0	0
8	5	756.83094	325.168668	31	10	4 404.946808
12	0	792.697867	540.620865	51	1	4 102.593762
1	1	369.198917		79	8	4 131.363442
5	1	1030.21305	725.561308	10	2	5 192.702569
9	5	725.461489	315.009609	14	6	1 391.919028
11	0	895.289611	511.255254	26	0	0
0	0			66	0	0
6	0	720.918466	500.690624	9	0	0
9	5	725.461489	315.009609	14	6	1 391.919028
11	0	895.289611	511.255254	26	0	0
0	0			66	0	0
6	0	720.918466	500.690624	9	0	0
4	0	657.876509	201.860901	7	0	0

AnnotatedResults

8	0	1073.81948	919.176825	20	0	0
10	0	695.614198	285.142758	45	0	0
20	3	674.607636	437.360068	23	3	1 474.428297
6	0	598.618641	203.393464	9	0	0
9	0	991.119369	894.596878	24	0	0
9	0	674.989307	298.781685	97	0	0
21	3	667.182636	427.081891	28	3	1 387.576435
6	0	598.618641	203.393464	9	0	0
9	0	991.119369	894.596878	24	0	0
9	5	674.989307	298.781685	97	5	1 846.262832
21	6	667.182636	427.081891	28	6	2 283.897025
3	1	451.635319	108.687293	34	3	15 137.334507
14	0	549.042365	256.467554	62	14	19 229.071787
1	0	452.40625		34	13	12 213.872711
1	0	560.16826		23	17	4 162.304417
44	34	1760.31867	1034.21354	195	94	28 90.651631
5	0	482.101123	119.443153	25	0	0
14	0	505.334924	219.144643	32	0	0
2	0	514.512063	71.056237	14	0	0
1	0	563.4		12	3	1 1750.06502
40	20	1711.73754	1059.52832	118	21	1 1300.06381
5	0	482.101123	119.443153	25	0	0
14	0	505.334924	219.144643	32	0	0
2	0	514.512063	71.056237	14	2	1 323.523187
1	0	563.4		12	3	1 1750.06502
40	24	1711.73754	1059.52832	118	45	5 594.392432
2	0	593.227565	87.223806	19	0	0
16	0	650.450286	283.963374	36	0	0
6	0	471.703813	81.072702	25	0	0
0	0			5	0	1 1378.23049
23	0	1416.84297	917.61611	68	0	0
6	0	569.464441	335.001997	26	0	0
19	0	610.929487	270.614662	45	0	0
8	0	542.120051	244.080514	32	0	0
0	0			7	1	1 1559.53375
25	0	1386.72593	923.839543	79	0	0
6	0	569.464441	335.001997	26	0	0
19	0	610.929487	270.614662	45	1	1 395.718797
8	1	542.120051	244.080514	32	1	2 182.931735
0	0			7	2	2 568.879697
25	7	1386.72593	923.839543	79	10	2 505.369273
3	2	1023.80465	629.687127	21	4	2 185.645855
8	7	1045.46852	531.855058	15	9	3 287.696794
0	0			0	0	0
0	0			0	0	0
3	0	509.116	280.623	12	3	4 8642.3
2	0	956.042832	820.086869	7	0	0
11	0	1086.10497	433.177513	17	0	0
0	0			0	0	0
0	0			0	0	0
3	0	526.85968	267.037074	5	0	0
2	0	956.042832	820.086869	7	0	0
11	0	1086.10497	433.177513	17	0	0
0	0			0	0	0
0	0			0	0	0
3	0	526.85968	267.037074	5	0	0
4	0	1001.92691	637.976639	6	0	0
5	0	670.109923	395.106576	5	0	0

AnnotatedResults

1	0	433.273973		2	0	0
0	0			1	0	0
5	0	657.964288	387.324026	7	0	0
5	0	985.08912	555.209539	8	0	0
8	0	695.019858	425.392899	12	0	0
1	0	433.273973		3	0	0
1	0	423.36		5	0	0
5	0	679.269376	361.909463	9	0	0
5	0	985.08912	555.209539	8	0	0
8	0	695.019858	425.392899	12	0	0
1	0	433.273973		3	0	0
1	0	423.36		5	0	0
5	0	679.269376	361.909463	9	0	0
0	0			0	0	1 10381.5117
53	44	1718.28246	914.059668	123	60	19 134.077562
148	96	806.39	443.377	212	102	32 86.8519
39	21	812.525518	973.350023	73	35	24 89.023159
2	0	615.15	44.3012	2	0	0
72	31	1733.05407	962.487807	91	36	3 512.968811
152	63	813.853094	460.643303	183	64	10 231.243083
46	4	882.989519	1000.95589	64	6	1 604.706091
2	0	615.150223	44.301175	2	0	0
72	49	1733.05407	962.487807	91	59	6 371.291711
152	73	813.853094	460.643303	183	74	14 179.67479
46	8	882.989519	1000.95589	64	11	3 172.618076
0	0			0	0	0
86	48	1921.64767	1160.41856	112	53	5 362.606525
167	76	1028.42063	670.114521	201	77	7 360.978052
32	0	712.379039	407.780208	38	0	0
1	0	323.970297		3	0	0
102	43	1694.36713	1125.27884	133	46	4 517.311404
182	100	988.926393	669.134936	222	103	11 326.237307
36	0	669.465408	365.114472	48	0	0
1	0	323.970297		3	0	0
102	62	1694.36713	1125.27884	133	68	8 277.383135
182	113	988.926393	669.134936	222	117	15 326.237307
36	4	669.465408	365.114472	48	4	1 425.031301
1	0	331.904762		13	0	3 8828.49179
20	6	1107.10378	889.162259	78	19	8 88.480335
5	5	919.26846	833.883338	16	6	3 340.350735
2	0	368.531282	34.547424	16	2	3 207.901645
9	5	649.269257	275.271924	18	6	4 387.033611
1	0	331.904762		4	0	0
26	0	1447.83758	1078.94999	48	0	0
8	0	1075.67015	865.271993	14	0	0
4	0	429.606294	184.07418	12	0	0
14	3	640.564225	235.575446	17	3	1 616.648222
1	0	331.904762		4	0	0
26	5	1447.83758	1078.94999	48	5	2 626.96188
8	0	1075.67015	865.271993	14	0	0
4	0	429.606294	184.07418	12	0	0
14	9	640.564225	235.575446	17	9	2 357.178283
3	0	383.725721	113.721985	11	0	0
29	0	1673.63264	1049.10411	48	0	0
12	0	1211.16893	804.43411	19	0	0
3	0	384.890724	59.047938	16	0	0
27	13	741.726411	376.231596	31	13	2 345.236152
5	0	356.463245	59.903316	21	0	0

AnnotatedResults

30	0	1585.06372	945.632266	53	0	0
12	0	1210.79255	805.393886	21	0	0
4	0	406.886569	66.896666	22	0	0
29	12	723.752563	365.838706	34	12	2 270.326421
5	0	356.463245	59.903316	21	0	0
30	4	1585.06372	945.632266	53	9	2 378.348425
12	7	1210.79255	805.393886	21	8	2 326.780132
4	0	406.886569	66.896666	22	0	0
29	12	723.752563	365.838706	34	12	2 270.326421
4	2	1531.82329	788.916525	18	6	2 223.100721
0	0			1	0	0
0	0			0	0	0
0	0			1	0	0
6	0	1394.31869	754.391	13	0	0
0	0			0	0	0
0	0			0	0	0
0	0			3	0	0
6	0	1394.31869	754.391	13	0	0
0	0			0	0	0
0	0			0	0	0
0	0			3	0	0
5	0	1177.77394	667.561826	11	0	0
0	0			2	0	0
0	0			0	0	0
0	0			2	0	0
5	0	1183.0394	680.634031	14	0	0
1	0	604.371429		6	0	0
0	0			0	0	0
1	0	398		5	0	0
5	0	1183.0394	680.634031	14	0	0
1	0	604.371429		6	0	0
0	0			0	0	0
1	0	398		5	0	0
69	57	1168.20626	607.591454	110	70	19 144.391221
44	34	1311.83439	764.608504	106	58	25 114.535893
7	1	481.331634	202.293598	34	12	8 273.040542
28	21	1212.80852	560.599111	67	34	14 116.70719
3	1	342.368863	14.462063	16	2	3 172.618076
33	26	1857.7342	882.792966	120	50	18 85.22339
9	4	2036.44784	1094.2815	53	11	6 172.075252
9	6	1099.22143	547.670142	38	11	6 86.851862
22	16	1328.53	710.201	78	23	11 89.0232
75	50	1184.08088	633.58304	84	50	3 596.563728
57	0	1282.84129	716.754738	82	0	0
6	0	468.314254	209.661729	13	0	0
39	0	1270.86385	607.482043	53	0	0
5	0	400.104525	98.125677	9	0	0
38	0	1919.35604	911.758054	69	0	0
10	0	1788.71332	1032.58095	30	0	0
9	0	1103.82368	541.567703	17	0	0
22	0	1324.74166	711.263705	38	0	0
75	50	1184.08088	633.58304	84	50	3 596.563728
57	17	1282.84129	716.754738	82	17	3 518.939877
6	1	468.314254	209.661729	13	1	2 176.417845
39	12	1270.86385	607.482043	53	12	2 383.776666
5	0	400.104525	98.125677	9	0	0
38	13	1919.35604	911.758054	69	13	2 360.978052
10	7	1788.71332	1032.58095	30	10	2 218.758128

AnnotatedResults

9	0	1103.82368	541.567703	17	0	0
22	0	1324.74166	711.263705	38	0	0
50	16	1605.21053	776.786441	57	16	2 993.910998
48	0	1564.5544	841.756132	69	0	0
11	0	590.343469	386.322512	23	0	0
47	4	1743.64758	861.142594	55	4	1 512.968811
8	0	513.158972	290.042671	13	0	0
37	0	1928.40165	1040.34066	63	0	0
10	0	1781.08477	1388.00395	19	0	0
11	0	1620.56743	881.875161	25	0	0
27	0	1535.43497	735.007051	50	0	0
56	17	1604.63134	785.722428	69	17	2 961.34155
52	0	1518.27747	829.624368	76	0	0
16	0	590.72491	333.598172	29	0	0
50	4	1708.41932	867.098455	59	4	1 511.340339
8	0	519.535904	287.532834	16	0	0
40	0	1913.30947	1028.6225	73	0	0
9	0	1759.74366	1486.30852	20	0	0
13	0	1510.06242	921.312474	30	0	0
26	0	1565.78323	782.502786	49	0	0
56	36	1604.63134	785.722428	69	37	5 332.208373
52	3	1518.27747	829.624368	76	3	1 421.774356
16	0	590.72491	333.598172	29	0	0
50	22	1708.41932	867.098455	59	22	4 194.873866
8	0	519.535904	287.532834	16	0	0
40	0	1913.30947	1028.6225	73	0	0
9	0	1759.74366	1486.30852	20	0	0
13	8	1510.06242	921.312474	30	8	2 307.238463
26	0	1565.78323	782.502786	49	0	0

SphereMax ϵ SphereMean SphereSizeStdev-um²

10545.9874 5362.01684 7331.24142

437.516256 437.516256

10852.1402 7454.33249 4985.47644

2594.15656 676.019612 805.5842

AnnotatedResults

9212.26846 5503.36825 4799.75481
10624.6969 10463.7495 227.613935
494.51279 328.098419 151.966154

393.547501 393.547501

642.70378 642.70378

393.547501 393.547501

642.70378 427.383539 187.23053

265.983828 265.983828

269.783597 269.783597

269.783597 269.783597

659.531329 468.27629 180.144296

1124.18879 1031.90869 130.503774
10331.029 10331.029
9098.81821 5290.36406 4358.8708
12097.3788 11225.0604 686.134149
9533.07753 1487.67741 2657.75727

637.818363 637.818363

637.818363 637.818363

630.761649 599.549261 44.140982

453.258156 453.258156

488.541725 488.541725

488.541725 488.541725

709.471149 605.791739 146.624828
9979.82179 1085.84214 2418.19346

AnnotatedResults

18302.9443 9976.02202 5466.10633
19888.5336 3028.57096 7437.18159
10510.161 7174.9409 3984.90736
624.24776 281.337996 142.851936

605.792 605.792
558.023215 385.1725 122.209336
210.072942 210.072942

605.791739 391.557145 203.495592

689.92948 689.92948

698.614667 698.614667
623.704935 430.785237 150.94445
193.245393 193.245393

698.614667 463.571814 212.830678
9756.72107 2575.15771 4787.77441
247.527807 247.527807
14611.1973 1141.73364 2915.14381
6722.87696 764.44443 1417.38079

1048.73624 1048.73624
2184.32433 1555.73398 888.961002

1048.73624 716.16598 289.447622
2184.32433 711.177168 689.555426

1034.62281 1034.62281
2285.83245 1615.17323 948.45537

1017.79526 776.238518 341.61282
2296.68893 1619.24441 958.051235

1202.35547 1202.35547
1017.79526 474.971121 338.838593
2296.68893 611.417371 604.028119
1405.91452 1405.91452

10342.4283 9224.75341 1037.77712

AnnotatedResults

15974.2288 6554.92717 6880.09808
549.880853 507.133452 54.867993

427.745421 427.745421

7793.86898 1453.35735 2101.26188
7240.18836 4245.15618 4235.61514

11498.6437 1364.53064 2588.30626
3666.77706 2436.73756 1739.53854

5161.17191 2730.67683 1807.95735
3666.77706 1657.64921 1348.32412

5161.17191 2067.34573 1748.41728
1022.13785 983.054515 55.272187

3381.79438 1782.27259 1385.60934

AnnotatedResults

3381.79438 1782.27259 1385.60934

4703.57116 2084.03758 1752.19907
5760.99 1075.24 1635.15

502.655152 328.951428 245.654163

1634.98631 785.104646 736.027565

423.945652 423.945652

422.31718 422.31718

666.588042 511.702221 134.665614

211.701414 179.403378 45.676321
7617.99396 7617.99396
10517.2177 3078.98899 4168.54593

872.318391 872.318391

872.318391 654.826853 188.506445

624.24776 624.24776

529.796359 529.796359

529.796359 529.796359

748.554487 748.554487

11260.3439 11260.3439

AnnotatedResults

406.57528 406.57528

3746.02938 2318.76378 1579.64523
919.001267 426.659773 427.094984
5290.36406 1662.80604 2419.53216
8771.49526 1757.48362 3116.72715
2284.7468 2284.7468

2284.7468 2284.7468
868.518622 868.518622

757.782498 757.782498
1887.94236 1887.94236

1908.02685 1908.02685

1908.02685 1908.02685
841.920239 841.920239

887.517467 887.517467

AnnotatedResults

9349.06014 8702.19471 882.207358
17598.3586 10501.2587 4448.18059
605.248915 438.963787 282.391879

707.299853 707.299853

305.067166 305.067166

1386.37285 1331.2762 77.91843
103.679411 103.679411

158.504649 158.504649
1607.8451 386.002245 443.031519

8095.67921 4313.00919 5349.50323
960.798726 561.822984 333.191747
540.652842 540.652842
92.822928 92.822928

490.713 490.713

10294.6598 4088.68712 4530.25748

AnnotatedResults

305.60999 305.60999

11306.484 4204.11264 4801.52008

AnnotatedResults

14130.2552 6459.90882 4607.94036
624.24776 293.8488 179.277208

278.468783 278.468783
230.700259 230.700259

308.324111 308.324111
459.229221 459.229221

7215.76128 1404.24081 2508.12665
25469.8514 6259.71226 9420.19346

377.805601 365.049233 18.040228
659.531329 551.509325 152.766183

539.02437 539.02437

359.34958 359.34958

775.695694 567.794049 294.017326
510.25469 375.815245 127.009636
724.670225 349.578745 169.914561

609.591508 609.591508

609.591508 609.591508

AnnotatedResults

545.538259 545.538259

545.538259 444.030146 89.593942

629.133177 629.133177
1151.87282 673.946325 352.010584
11362.3949 4042.88633 4778.18532

1017.25244 1017.25244

1017.25244 880.732165 193.068819

440.230377 440.230377

441.858849 441.858849

1010.73855 748.011663 371.551921
807.179494 624.519172 258.320706

AnnotatedResults

12792.7365	1150.10649	2158.74531
372.377359	344.331445	33.87472
1046.02212	424.143043	270.910283
1298.43534	473.148783	351.825079
15287.0134	5472.11967	6928.93869
1781.006	1220.63055	494.56145

524.368118	524.368118	
1134.50245	1134.50245	
453.80098	453.80098	
3161.95061	909.230432	817.97217

524.368118	524.368118	
1134.50245	688.57242	630.640296
453.80098	414.989054	54.888352
604.163266	526.810827	109.392869

485.827604	485.827604	
1139.38787	1139.38787	

603.620442	523.825294	112.847381
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493.427142	493.427142	
1142.10199	1142.10199	

3002.90314	784.691066	667.389138
338.179438	314.838	33.009778
677.444525	516.632874	128.896351
1142.10199	580.369475	333.029474
229.614611	229.614611	
5079.74829	5079.74829	
17636.8991	11832.8198	3585.77456

13482.666	1108.26595	3096.92566
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AnnotatedResults

675.816053 667.402279 11.898874

675.816053 438.989636 219.172534

2016.04885 1104.82806 790.107588

2283.11833 1176.29991 771.180353

242.099566 242.099566

2283.11833 781.259642 671.937464

9989.59263 5217.0828 6749.34813
4738.85473 1114.14655 1493.11426
235.585676 235.585676

451.086859 451.086859

505.912097 505.912097

505.912097 505.912097
997.710767 714.627979 400.339519

700.785963 431.002366 167.06642
4121.12086 908.86855 1245.7984
88.480335 88.480335
10029.7616 10029.7616

AnnotatedResults

530.339184 530.339184
344.693328 344.693328

345.236152 345.236152

522.739646 522.739646
435.344959 435.344959
341.436383 341.436383

522.739646 522.739646
435.344959 418.245999 24.181582
341.436383 267.883712 104.019185

4738.31191 657.983275 1065.19651
9526.02 940.543 2119.86

1334.26173 1334.26173

2166.95396 705.535674 975.075992
1334.26173 826.178339 718.538426

1319.60548 1319.60548

1323.94807 1323.94807

2049.70395 675.707488 784.893053
1323.94807 692.915013 445.746545
786.009353 418.856676 237.499928
10848.9 2008.36 3353.89
1060.67837 450.878081 332.294511
8878.97444 3335.11151 4171.67888
4143.91948 1089.99087 1710.03531
362.063701 362.063701
1302.23511 618.586879 318.495768

460.857694 411.460697 69.857903
1302.23511 517.459447 285.526126
1016.16679 561.461101 407.000234

AnnotatedResults

447.829914 343.336268 147.776332
1207.24089 636.09942 308.693052

446.744266 342.793444 147.008663
1188.24204 622.709758 298.361631

544.995435 410.194108 156.314817
1263.15177 555.80257 363.137215
573.222291 422.31718 130.878041

471.171352 445.658618 36.080455
15602.937 8049.07388 5765.10689
4937.52837 1812.30886 2706.89446

85.766214 85.766214

4200.91601 4200.91601

4200.91601 4200.91601

2807.48645 2807.48645

2812.91469 2812.91469

294.753507 294.753507
2812.91469 2812.91469

355.549811 355.549811
1282.15062 463.933697 417.664098

617.191046 617.191046

AnnotatedResults

2517.07553 616.648222 647.608405
907.059136 381.632511 214.157672
329.494252 329.494252

895.117005 895.117005
1404.82887 1404.82887

1404.82887 1404.82887
648.132022 497.950677 131.288651

1480.82425 1480.82425
503.197977 503.197977

508.626218 501.298092 10.363535

1482.99555 1482.99555
567.251225 451.629683 125.980116
312.12388 312.12388

15303.2981 5416.54051 5677.65044
1604.04533 713.705178 500.423417
11594.1808 11594.1808
628.590353 628.590353
10700.6922 10700.6922

1273.46543 1273.46543

AnnotatedResults

1307.12053 1022.95209 401.874857

13584.2 8344.51 5019.21

317.552121 317.552121

1807032.25 63398.4939 329417.85
234414.805 6510.33778 25271.0819
106330.021 9026.90005 16956.5325
935.285991 543.186022 181.774436
1608.93075 834.065255 275.245677
1441.19809 849.478021 270.38123
935.285991 390.476667 173.351217
1608.93075 590.390181 307.425703
1441.19809 609.92108 309.945712
950.485067 431.409484 217.734817
1311.46312 708.133476 214.693306
3912.67639 924.119323 889.79775
950.485067 430.957131 218.05486
1311.46312 708.133476 214.693306
4040.24007 889.998949 765.365858
950.485067 307.622963 152.673857
1311.46312 519.0982 233.309995
4040.24007 586.240711 528.289179

AnnotatedResults

701.871611 701.871611

20846.0754 8507.23037 7648.18614
29263.1065 10890.7225 10940.7672
18821.3414 7379.31419 6093.90455
23258.9287 9237.44715 4470.58299

694.814898 519.482701 247.957171

416.888939 416.888939
253.498873 239.928269 19.191731

297.467628 260.284175 52.585344

252.956049 252.956049

343.60768 256.936759 128.217237

AnnotatedResults

1446.62633 1446.62633

6425.40933 885.589887 1529.52762
14066.2019 1228.6933 3298.83841
22995.659 8006.86284 7803.77953
900.545246 624.682019 176.829225
787.095001 787.095001
414.174818 372.920183 55.815943
1028.10892 627.931209 210.699065
787.095001 567.468355 192.709297
811.522087 400.759307 200.247845
845.177184 627.504704 152.259134
870.147094 870.147094
347.950273 347.950273
847.348481 620.596034 156.508934
754.525553 754.525553
351.750042 351.750042
847.348481 500.409834 200.869961
1021.05221 693.322131 251.081984
426.116949 316.792167 95.087699
13325.247 3425.01676 5441.58318
11905.219 1639.56639 3499.29299
5914.61182 1148.10924 1799.93211
9878.8565 935.037197 1987.75668
10672.4654 7198.17377 4150.30624
531.424832 531.424832
1413.51406 783.430938 510.271894
787.637825 787.637825
555.309094 555.309094

531.424832 531.424832
1413.51406 783.430938 510.271894
787.637825 497.769735 259.210889
632.932946 478.974449 106.93141

1409.17146 899.640539 513.557921
699.157491 699.157491
328.408604 328.408604

1409.71429 816.045622 532.369176
1221.89714 1221.89714
1457.48281 763.889269 502.851761

582.993125 551.780737 44.140982
1409.71429 608.180165 475.964784
1221.89714 692.860731 350.826447
1457.48281 581.183711 377.82812

AnnotatedResults

1871.11481 539.908972 414.944071
16320.0077 9082.71443 8230.36556
10587.242 7875.4477 3597.92404
9664.44097 1002.01459 2499.61941
815.864681 722.860811 87.084513

1399.40063 723.274392 340.40179

271.954894 271.954894
809.350791 668.759339 150.919754

809.350791 673.427627 152.58409

1443.36939 718.807725 382.012361
415.260466 415.260466

437.516256 319.859124 93.269314
18930.449 9559.01676 5169.43486
21595.1727 10448.2219 7107.37188
28248.5682 10142.669 5901.52719
9952.68058 1687.95043 3145.35266

6702.79247 1438.96648 1985.28598

524.368118 512.154575 17.272558
6702.79247 1164.65007 1683.11231

6037.8329 1422.80238 1744.36143

6341.27159 1335.23882 1777.07152

700.243139 551.690266 128.733275
6341.27159 964.43884 1412.99911
9909.79748 3107.93961 4624.37281

19005.3587 8007.37981 9813.5186

AnnotatedResults

461.943342 461.943342
312.12388 312.12388

1549.76292 420.281589 391.810553
13335.5606 3117.98185 5716.6552
6626.79709 6626.79709
12318.3082 6583.73304 5858.32133
679.615822 679.615822

637.818363 637.818363
1211.58348 777.686049 394.122225
377.805601 377.805601

637.818363 637.818363

434.802135 434.802135

427.745421 427.745421

427.745421 427.745421
38994.3148 14795.4861 9782.34394
14877.2 6958.61 6114.82
22717.1902 7008.80367 8004.29816
434.802135 434.802135
1016.16679 952.294481 95.095497
2355.85676 1054.81587 869.292429
434.802135 292.853623 116.872025
1016.16679 656.165819 413.752972
2355.85676 830.831118 806.573281
463.02899 463.02899
1025.93762 846.443774 216.269157
2075.75951 932.789 804.166765
462.486166 462.486166
1008.56725 873.223098 141.794906
2098.0153 1094.06205 846.536579
462.486166 292.582211 126.003035
1008.56725 606.443128 379.685289
2098.0153 772.361203 725.489246
9636.21411 2223.1061 3573.91323

AnnotatedResults

8020.23 1132.45 2584
438.601904 438.601904
11083.9261 7541.18435 5116.50316

620.990815 620.990815

622.619287 622.619287

604.163266 604.163266

604.163266 499.398208 148.160167

14888.5805 2517.57115 4132.54332
13776.8766 4428.19648 4947.3273
16406.8596 2221.61218 4633.99224

12381.2758 12381.2758

1192.04181 1192.04181

1025.3948 402.232687 352.21319
1192.04181 732.269763 650.215862

1431.42725 1431.42725

1423.82772 1423.82772

1015.62396 430.459542 351.027839
1423.82772 822.649982 850.193704
247.527807 247.527807
205.730349 205.730349

437.516256 437.516256

5835.90232 5835.90232

395.718797 395.718797

1058.50707 519.935054 292.991996

326.237307 326.237307

AnnotatedResults

13047.8638	7246.70225	6565.4475
9739.89352	5514.0076	4929.35851
752.89708	313.752352	223.881453
9625.90045	8110.19975	1338.55974
19719.1725	7573.23811	5933.90577

451.629683 451.629683

451.629683	425.031301	37.615794
200.844931	200.844931	
236.1285	187.662059	27.16601

362.606525 328.046721 32.975543

446.201442 446.201442

510.797515 394.090325 101.682133

446.201442	446.201442	
168.275483	168.275483	
510.797515	314.078047	135.001029
12818.2492	5671.0508	4597.21055
17662.9547	7868.46207	5305.80818
5692.05392	1649.75112	1769.08991
6259.30514	926.872217	1703.94414

2028.53381 2028.53381
6499.77624 6499.77624

446.744266	446.744266	
2028.53381	974.007446	927.747647
6499.77624	3661.62023	4013.75872

AnnotatedResults

2820.51423 1774.49211 1479.29866
3168.4645 2317.04484 1204.08923

2795.00149 1702.56791 1544.93438
4446.27252 4446.27252

288.782442 234.77144 76.383091
2795.00149 1137.7594 1142.43153
4446.27252 1626.57253 1894.18302
995.53947 582.341736 408.820893
5321.84786 815.683739 1304.88466
8717.76 2360.28 3322.47
1075.87744 453.926247 350.030256
11221.8034 8403.1348 4724.6176

1250.66682 875.575336 530.459458
1566.04764 1566.04764

1250.66682 702.776318 479.866773
1566.04764 1566.04764

496.141263 496.141263
1453.68304 1453.68304
1203.98394 1203.98394

497.226911 497.226911
861.461908 720.870456 198.826338

497.226911 388.119259 97.169311
861.461908 664.416746 171.251338
272.497718 272.497718

818.035977 390.629821 253.809604
3399.16 870.113 832.136
6924.80754 848.796012 1919.11316
152.533583 152.533583

2678.83713 2168.58243 721.609103

507.54057 507.54057
2678.83713 1290.29298 892.817913
616.648222 444.030146 168.19404

1935.16806 1267.85625 646.530971

AnnotatedResults

1744.63678 997.982179 503.494383

407.118104 407.118104

1744.63678 755.339789 417.294152

430.459542 410.103637 28.787597

290.410914 290.410914

9660.09837 2310.15097 4126.52155

13628.1428 5339.94199 7222.85382

8560.33667 1392.16298 2735.39216

14761.5596 6408.58178 6722.31998

780.581112 780.581112

1637.70043 1637.70043

806.093846 806.093846

780.581112 780.581112

1429.79878 1429.79878

1637.70043 1003.68183 896.637695

806.093846 590.049839 305.532365

542.281315 542.281315

2005.19237 2005.19237

800.665605 622.890699 251.411682

2013.87756 2013.87756

800.665605 622.890699 251.411682

442.944497 442.944497

1353.26058 1353.26058

2013.87756 795.644481 814.028747

800.665605 598.915966 182.560347

496.684087 434.530723 87.89813

2564.30123 644.006558 774.193558

1120.38902 968.398264 214.947393

2247.29193 1510.13675 1042.49485

2244.57781 1605.94522 903.162883

AnnotatedResults

2244.57781 1520.26947 655.6467

2574.07207 672.62297 697.602409
8599.42001 1165.89578 2360.88353
2435.65191 806.908082 771.663415
10730.5476 5158.7292 5764.09312

1062.30684 1062.30684

1357.60317 1357.60317

1062.30684 776.41946 458.535195
851.14825 552.323561 422.601927
1357.60317 1357.60317
211.15859 211.15859

1018.33808 1018.33808
814.779032 814.779032
1851.03031 1851.03031

1021.59503 1021.59503
787.637825 787.637825
1862.42962 1862.42962

1395.60086 696.133185 436.991172
787.637825 545.538259 342.38049
1862.42962 993.368174 809.581941
236.671324 222.829309 19.575566

366.406294 322.980363 61.413541

11856.9077 7162.63236 4502.87027

AnnotatedResults

4539.64 945.452 1259.44
485.28478 303.167281 172.813502

370.748887 272.03244 111.192164
115.078717 115.078717
1159.47236 990.925465 238.361305

1643.12867 1208.32653 412.550274

1257.72353 1095.41911 229.533108

1262.06612 1097.59041 232.603785

2265.20513 1486.79532 693.897428
384.31949 381.333957 4.222181

7750.99 1656.16 2992.62
248.613456 248.613456

AnnotatedResults

232.328731 160.947357 100.948508

394.090325 394.090325

377.805601 377.805601

2818.34293 1710.16745 1567.19679

529.253535 529.253535

AnnotatedResults

325.694483 325.694483

9146.04391 4881.88889 6030.42586

1366.83118 647.666744 560.068033

775.15287 437.283617 243.340229

265.441004 265.441004
550.966501 550.966501

AnnotatedResults

550.966501 542.281315 12.282708

601.99197 601.99197

555.851918 555.851918

555.851918 504.283625 72.92858

275.754662 275.754662
12507.211 12291.4384 305.14853
9410.39927 9033.67932 532.762466
8337.23595 4237.28523 5798.20591

632.932946 375.634304 363.875229
10845.6263 3334.96347 4455.18828
9512.45021 2197.56924 4092.80604
9836.51622 973.244908 2553.3303
3390.47957 569.255499 889.113445

336.550966 336.550966

425.031301 425.031301
2815.08598 2815.08598

AnnotatedResults

336.550966	276.026075	85.595122
326.780132	254.313109	102.483846
578.107708	468.457232	95.641855
2815.08598	2815.08598	
726.298698	726.298698	
400.06139	400.06139	
540.652842	540.652842	
499.398208	499.398208	
3567.98306	3567.98306	
726.298698	726.298698	
400.06139	400.06139	
559.108863	559.108863	
498.312559	498.312559	
3515.32912	3515.32912	
726.298698	726.298698	
1053.62165	726.841522	462.136894
559.108863	559.108863	
498.312559	419.060235	96.506743
3515.32912	3515.32912	
11004.6738	11004.6738	
10388.0255	6769.83125	5064.81631
11326.0257	9844.65858	2094.96941

5064.00639	5064.00639	
7804.72547	4036.84741	3077.81537
1105.18995	1105.18995	

AnnotatedResults

1196.3844 819.935862 532.378631

20752.7 10173.1 8275.08
6721.79131 1825.93978 2536.15117

9657.92708 4999.68173 5284.05716
10174.1528 7014.10211 4657.12697
536.853073 257.977172 187.438873
7566.96849 1706.74766 3276.22008
391.919028 391.919028

391.919028 391.919028

AnnotatedResults

474.428297 474.428297

387.576435 387.576435

846.262832 846.262832
387.576435 335.73673 73.312414
31238.4435 10580.0043 9046.89951
24955.2541 10142.5548 5239.6677
17356.8018 10645.4599 5735.42721
1874.91458 858.883494 728.23419
10035.1899 1338.97267 2684.6425

1750.06502 1750.06502
1300.06381 1300.06381

323.523187 323.523187
1750.06502 1750.06502
1300.06381 856.902185 302.986472

1378.23049 1378.23049

1559.53375 1559.53375

395.718797 395.718797
1134.50245 658.717092 672.862106
1559.53375 1064.20672 700.498199
609.591508 557.480391 73.696249
201.93058 193.788218 11.515039
1709.35321 831.063756 767.728175

11924.8 9970.19 1446.45

AnnotatedResults

10381.5117 10381.5117
11548.5836 1739.52281 3438.9755
19180.1 3079.97 4916.33
25209.8387 6085.1943 7236.02371

1696.86826 937.81917 658.916586
685.586887 490.713021 139.565049
604.706091 604.706091

1696.86826 712.818565 488.409911
720.327632 480.24427 187.307842
682.329942 486.55137 274.63057

1180.09968 646.503549 319.424448
795.237363 569.344975 138.839739

1196.92723 750.725784 307.612266
1002.05336 575.590978 198.955566

1196.92723 603.077618 299.586801
1462.36823 607.999224 298.379414
425.031301 425.031301
10247.4341 9513.89774 710.694529
848.976953 491.12014 278.912582
714.356567 494.331849 195.554107
11619.6935 7150.98426 6095.00952
11057.3277 5773.34183 5893.10203

616.648222 616.648222

713.270918 670.116399 61.029706

616.648222 486.913252 183.472953

385.405139 365.320645 28.403763

AnnotatedResults

385.405139 327.86578 81.372941

382.691018 380.519721 3.070677
708.928325 517.854228 270.219579

385.405139 327.86578 81.372941
1164.9006 694.000661 665.953082

8071.79494 1355.63186 2157.20801
7219.01822 694.337212 1389.56212
12957.2122 6129.50232 5263.60768
7376.98005 1539.75944 2509.23668
12090.8649 7575.47274 6462.52517
996.082295 508.41512 314.635182
1005.85313 509.621396 344.407165
8244.41302 1583.50848 3264.6974
9288.26 1137.07 2712.98
1976.96551 1270.02754 690.809425

1976.96551 1270.02754 690.809425
656.817208 607.058329 76.52537
366.406294 271.412069 134.34212
623.162111 503.469389 169.271072

624.24776 492.612906 186.159795
600.906322 409.832225 270.219579

AnnotatedResults

1096.50476 1045.20788 72.544745

512.968811 512.968811

1099.21888 1030.28022 97.493996

511.340339 511.340339

1099.21888 652.36605 350.953207
421.774356 421.774356

593.849608 429.238188 172.159637

368.034766 337.636614 42.989479

GeneID	<i>Ratio of NumSpheres to total sCellsInSpheres to TotalNumCellsInSpheres</i>	
LATS1	-2.193	-1.495
WT1	-1.326	-1.121
CDK4	-0.968	-1.622
FOSL1	-1.185	-1.7
PTCH	-1.098	-1.649
LATS2	-1.75	-0.748
FOSL2	-1.79	-1.193
PHB	-0.441	-2.64
FAT3	-3.856	1
MCF7	-2.408	1
JUND	-1.842	-0.57
RAD54L	-1.222	-0.931
FAT	-0.85	-0.778
ST7L	-0.378	-0.941
BCR	-1.865	1
FOS	-0.548	-1.457
SMAD4	-0.625	-0.928
PTEN	-1.472	-0.305
BCL3	-0.638	-0.679
TUSC4	-1.04	-0.478
TUSC5	-0.699	-0.626
TGFBR2	-0.325	-0.518
DMBT1	-0.438	-0.661
LZTS1	-1.392	1
FER	-0.838	1
CYLD	-0.859	1
RAD51	-0.583	1
DLEC1	-0.514	-0.441
Hela	-1.938	1
LZTS2	-0.408	-0.505
CD82	-0.261	-0.532
TUSC2	-1.47	1
ST5	1	1
OVCA2	-1.139	1
TP73L	-0.879	1
DCC	1	-0.808
FLI1	-0.78	1
TUSC3	1	1
MLH1	-0.554	1
FoxP3	1	1
CDK2AP2	1	1
CCND1	-0.497	1
GLTSCR1	-0.456	1
ST18	1	1
ST14	-0.398	1
HIC1	-0.355	1
NF2	-0.345	1
BCL2	-0.338	1
TAL1	1	1
MSH2	-0.287	1
JUNB	-0.281	1
APC	1	1
MCC	-0.21	1
BAX	-0.197	1
CDKN1C	-0.165	1
MEN1	-0.162	1
GLTSCR2	-0.152	1

FoxO3A	-0.148	1
Hs578T	-0.108	1
ARMET	1	1
BRCA1	1	1
BRCA2	1	1
CDC73	1	1
CDH1	1	1
CDKN1A	1	1
CDKN2A	1	1
CHD5	1	1
FAT2	1	1
HCK	1	1
NBL1	1	1
NF1	1	1
SHC002	1	1
ST13	1	1
ST7	1	1
TP53	1	1
TP73	1	1
TSSC1	1	1
TSSC4	1	1
VHL	1	1

of NumDoublePositive to total **Average**

-2.864	-2.184
-2.787	-1.7447
-1.858	-1.4827
-1.517	-1.4673
-1.637	-1.4613
-1.865	-1.4543
-1.328	-1.437
-0.895	-1.3253
-1.004	-1.2867
-2.106	-1.1713
-1.047	-1.153
-1.297	-1.15
-1.701	-1.1097
-1.566	-0.9617
-1.73	-0.865
-0.465	-0.8233
-0.661	-0.738
-0.414	-0.7303
-0.707	-0.6747
-0.387	-0.635
-0.554	-0.6263
-0.838	-0.5603
-0.412	-0.5037
-1.033	-0.475
-0.585	-0.141
-0.497	-0.1187
-0.557	-0.0467
1	0.015
1	0.02067
1	0.029
1	0.069
1	0.17667
-1.173	0.27567
1	0.287
1	0.37367
1	0.39733
1	0.40667
-0.626	0.458
1	0.482
-0.508	0.49733
-0.505	0.49833
1	0.501
1	0.51467
-0.401	0.533
1	0.534
1	0.54833
1	0.55167
1	0.554
-0.302	0.566
1	0.571
1	0.573
-0.23	0.59
1	0.59667
1	0.601
1	0.61167
1	0.61267
1	0.616

Affyprobe	logFC	AveExpr	t	P.Value	adj.P.Val	B	chrom
8091385	3.625922	8.85688	13.55118	1.53E-08	3.38E-05	9.991657	chr3
8178193	3.047828	8.053966	7.296792	1.06E-05	0.000881414	3.786441	chr6
8121784	2.669579	6.194377	7.832465	5.24E-06	0.000588789	4.482407	chr6
7902452	2.638292	6.290796	10.31022	3.03E-07	0.00015839	7.249623	chr1
8082797	2.328474	10.45843	14.39739	7.78E-09	3.38E-05	10.58267	chr3
8095110	2.263646	8.899334	13.63995	1.42E-08	3.38E-05	10.05578	chr4
8102594	2.211915	6.658322	8.541442	2.18E-06	0.000383074	5.346493	chr4
8091402	2.098529	9.493534	10.48332	2.53E-07	0.000148044	7.418486	chr3
7934997	2.033483	6.601716	12.81298	2.85E-08	4.72E-05	9.438001	chr10
7931108	1.987979	8.857987	5.130799	0.000263926	0.005704529	0.55651	chr10
7934979	1.978068	9.034152	5.336558	0.000189087	0.004688272	0.892851	chr10
7930593	1.971894	8.391632	11.06918	1.41E-07	0.000112153	7.969312	chr10
8026398	1.962931	11.10204	5.232112	0.000223795	0.005186681	0.722878	chr19
7932407	1.924684	7.808691	7.324433	1.02E-05	0.000862168	3.8233	chr10
8163618	1.882413	7.483188	6.3455	4.02E-05	0.001810744	2.452293	chr9
8058857	1.838727	10.81852	8.956599	1.33E-06	0.000294736	5.824123	chr2
8101429	1.805743	6.728029	8.153173	3.50E-06	0.000457104	4.88108	chr4
7943892	1.797535	8.120799	5.175345	0.00024542	0.005477385	0.629839	chr11
8126853	1.792545	7.935904	12.18984	4.93E-08	6.53E-05	8.940541	chr6
8161964	1.783262	8.177626	10.52244	2.43E-07	0.000148044	7.456246	chr9
7930498	1.774747	8.216994	9.70287	5.77E-07	0.000191225	6.633804	chr10
8085716	1.7625	8.447567	9.708785	5.73E-07	0.000191225	6.639983	chr3
7976488	1.698798	7.675772	5.752841	9.81E-05	0.003120722	1.554503	chr14
7938608	1.686777	8.361185	6.191014	5.05E-05	0.002056005	2.223278	chr11
7901272	1.670968	6.186924	9.93198	4.51E-07	0.000186701	6.870474	chr1
7930872	1.670328	9.17367	10.02268	4.09E-07	0.000180817	6.962692	chr10
8116835	1.651477	6.481481	10.5557	2.35E-07	0.000148044	7.488249	chr6
8090690	1.649577	7.561709	6.271586	4.48E-05	0.00192062	2.343159	chr3
8023710	1.634706	8.483643	9.099676	1.13E-06	0.000267814	5.984115	chr18
7903188	1.632307	8.729704	12.10963	5.30E-08	6.59E-05	8.874394	chr1
8149097	1.623958	6.961557	8.63389	1.95E-06	0.000355559	5.454608	chr8
8086607	1.592688	10.79677	6.885259	1.86E-05	0.001179611	3.225113	chr3
8071036	1.574787	8.571235	5.887463	7.97E-05	0.002743238	1.763003	chr21
7987405	1.567613	6.999293	6.907504	1.80E-05	0.001158644	3.256064	chr15
8180266	1.561609	8.557933	8.66655	1.87E-06	0.000348402	5.49256	---
8095688	1.553041	8.743563	5.980356	6.92E-05	0.002505184	1.905308	chr4
7912937	1.541896	10.47745	7.908201	4.76E-06	0.000553373	4.577745	chr1
8171472	1.532892	8.532835	6.209441	4.91E-05	0.002017026	2.250779	chrX
8064859	1.530921	7.791745	6.245011	4.66E-05	0.001974671	2.303725	chr20
8166747	1.528462	6.535941	5.658784	0.00011352	0.003404973	1.407235	chrX
8180086	1.52487	8.249703	7.239585	1.14E-05	0.000915681	3.709822	chr6
8152512	1.512999	8.99908	4.838614	0.000428096	0.007690286	0.068688	chr8
8013450	1.510314	8.131064	6.402102	3.70E-05	0.001727601	2.535325	chr17
7993638	1.507289	8.972171	7.325471	1.02E-05	0.000862168	3.824683	chr16
8111490	1.506126	6.939191	6.478608	3.31E-05	0.001636732	2.646805	chr5
8084589	1.505202	7.243854	6.230359	4.76E-05	0.001982675	2.281939	chr3
8079931	1.503944	7.482036	8.312454	2.87E-06	0.000436241	5.074251	chr3
8022666	1.500561	7.853625	7.638433	6.73E-06	0.000693556	4.234737	chr18
7903920	1.496986	6.764592	7.685906	6.33E-06	0.000665892	4.295792	chr1
8168749	1.495665	9.643894	6.508396	3.17E-05	0.001591497	2.68998	chrX
7977046	1.469415	10.02729	10.58434	2.29E-07	0.000148044	7.515721	chr14

7917561	1.444997	5.93612	8.146098	3.53E-06	0.000457104	4.872427	chr1
8083887	1.443928	10.8173	11.24798	1.19E-07	0.000105233	8.131297	chr3
7914974	1.440861	7.3527	5.08365	0.000285121	0.005955503	0.478593	chr1
8142981	1.436332	10.556	9.40313	8.03E-07	0.000229616	6.315883	chr7
8091972	1.428531	6.993783	8.263521	3.05E-06	0.000448602	5.015242	chr3
7943413	1.428381	8.735168	6.269401	4.49E-05	0.001921159	2.339921	chr11
8094550	1.427476	8.174822	5.675478	0.000110603	0.003347545	1.43347	chr4
8070467	1.426882	8.680849	6.582632	2.85E-05	0.001526657	2.797016	chr21
8115147	1.419673	10.74789	10.24742	3.23E-07	0.000163863	7.187646	chr5
8152606	1.412727	8.362478	7.595529	7.12E-06	0.000711347	4.179301	chr8
7991335	1.390666	11.81957	16.96824	1.22E-09	8.09E-06	12.133	chr15
7940775	1.379176	9.953197	9.037784	1.21E-06	0.000277615	5.91519	chr11
8026490	1.370133	11.27436	8.38559	2.63E-06	0.00041153	5.161896	chr19
8128991	1.365443	7.490051	6.77659	2.16E-05	0.001283424	3.072904	chr6
8082846	1.364914	6.914606	8.672266	1.86E-06	0.000348402	5.499189	chr3
8162216	1.333501	7.739095	5.275478	0.000208632	0.005004663	0.793642	chr9
8129637	1.332769	5.115476	5.212965	0.000230856	0.005264408	0.691549	chr6
8136709	1.331693	10.15765	5.720795	0.000103076	0.003210039	1.504475	chr7
8155083	1.320525	8.888745	5.506945	0.000144111	0.003993013	1.166744	chr9
7919984	1.312679	9.531296	5.176705	0.000244877	0.005477385	0.632075	chr1
8104035	1.309606	8.918934	7.195893	1.21E-05	0.00094142	3.651	chr4
8132167	1.299966	5.459854	4.782027	0.000470774	0.008246875	-0.02713	chr7
7960529	1.287313	9.84481	9.704342	5.76E-07	0.000191225	6.635342	chr12
7917532	1.284094	8.40027	6.128195	5.54E-05	0.0021862	2.129145	chr1
8005809	1.27586	6.071969	7.22739	1.16E-05	0.000923437	3.693431	chr17
8113709	1.268807	9.296383	6.117037	5.63E-05	0.002207521	2.112364	chr5
7991138	1.267344	8.449974	5.296814	0.000201573	0.00488912	0.828357	chr15
7939839	1.262525	9.122347	6.415756	3.63E-05	0.001712193	2.555283	chr11
8025601	1.246539	10.79685	4.994766	0.000330096	0.006511862	0.330857	chr19
7988444	1.245976	7.645916	4.990467	0.000332452	0.006521568	0.323683	chr15
8099834	1.244162	8.173675	6.559424	2.94E-05	0.00154914	2.763639	chr4
8009502	1.239247	6.576053	7.93093	4.62E-06	0.000544005	4.606211	chr17
8006433	1.235481	10.84459	5.813216	8.94E-05	0.002956487	1.648342	chr17
8141094	1.23484	8.340022	6.651346	2.58E-05	0.001432234	2.895377	chr7
8129618	1.232091	6.523337	7.551615	7.54E-06	0.000727834	4.122306	chr6
8088560	1.228216	6.957342	6.93824	1.72E-05	0.001136727	3.298713	chr3
7969533	1.22104	7.141203	5.238097	0.000221635	0.005166728	0.73266	chr13
7955297	1.213572	8.632304	5.503284	0.000144948	0.003993013	1.160904	chr12
8140840	1.201672	8.885068	6.801285	2.09E-05	0.001254587	3.10764	chr7
8083978	1.200714	8.357402	5.930214	7.47E-05	0.002652629	1.828653	chr3
8139500	1.196168	9.624031	9.010594	1.25E-06	0.000280012	5.884774	chr7
8170179	1.192593	9.358933	6.940912	1.72E-05	0.001136727	3.302414	chrX
8145293	1.18508	6.357871	4.953241	0.000353607	0.006798974	0.261462	chr8
8071861	1.184065	8.398218	5.706056	0.000105463	0.003256413	1.481414	chr22
8027002	1.183671	8.79194	6.833687	2.00E-05	0.001228521	3.153087	chr19
8139840	1.17652	9.03416	5.341848	0.000187487	0.004666067	0.901419	chr7
8169504	1.173941	11.50927	5.776192	9.46E-05	0.003078913	1.590861	chrX
8006865	1.172774	8.142162	5.379718	0.000176446	0.004486738	0.962631	chr17
8039144	1.172024	8.356293	5.413952	0.000167055	0.004327716	1.017784	chr19
8138728	1.167532	9.127239	6.700224	2.41E-05	0.001391057	2.964927	chr7
8094789	1.163177	8.914169	5.235534	0.000222558	0.005168077	0.728471	chr4
8140971	1.159788	8.582898	5.43101	0.000162574	0.004259255	1.045203	chr7

8123246	1.151892	6.545446	9.72439	5.64E-07	0.000191225	6.656264	chr6
7969574	1.149569	11.11947	9.215312	9.92E-07	0.00024962	6.111739	chr13
8070584	1.148676	8.2845	6.06144	6.12E-05	0.00231977	2.028474	chr21
8095697	1.148226	10.31092	6.184218	5.10E-05	0.002072642	2.213122	chr4
8001394	1.141246	7.942782	5.218576	0.000228763	0.00524072	0.700735	chr16
7937612	1.140664	8.662457	5.308815	0.000197714	0.004840032	0.847857	chr11
7902541	1.1389	5.564886	8.680492	1.84E-06	0.000348402	5.508722	chr1
8072735	1.138148	7.289159	6.638839	2.63E-05	0.001443769	2.877524	chr22
8133770	1.13354	6.095989	5.896035	7.87E-05	0.002726405	1.776189	chr7
8138466	1.129178	10.5702	5.538817	0.000137034	0.003887194	1.217507	chr7
7988876	1.125971	8.078327	5.928121	7.49E-05	0.002656351	1.825446	chr15
8154725	1.110415	10.81208	6.880899	1.87E-05	0.001183024	3.219039	chr9
7978706	1.108885	7.963538	4.863782	0.000410436	0.007489033	0.111166	chr14
7981142	1.107063	9.743073	10.93771	1.60E-07	0.000122706	7.848409	chr14
7946757	1.100358	7.698307	7.6216	6.88E-06	0.000700253	4.213017	chr11
8091715	1.090282	8.614539	6.640534	2.62E-05	0.001443769	2.879945	chr3
7942453	1.088899	9.414443	5.924845	7.53E-05	0.00266016	1.820422	chr11
7990138	1.085958	8.381109	6.55361	2.97E-05	0.001558018	2.755266	chr15
8016387	1.08333	7.041281	6.537988	3.04E-05	0.001570407	2.732743	chr17
7926127	1.065173	7.715061	8.419973	2.52E-06	0.000409348	5.202874	chr10
8114010	1.063337	8.270921	7.232073	1.15E-05	0.000921299	3.699728	chr5
8134351	1.062276	6.815402	6.530178	3.07E-05	0.001574077	2.721469	chr7
8097957	1.062047	9.587138	12.48925	3.77E-08	5.36E-05	9.183151	chr4
8086125	1.055671	6.970585	5.13114	0.000263778	0.005704529	0.557074	chr3
7920642	1.054248	10.37156	7.169863	1.26E-05	0.000955	3.615831	chr1
8020495	1.052487	7.955041	10.06636	3.91E-07	0.000180676	7.0068	chr18
8158771	1.047226	8.387567	7.855065	5.09E-06	0.000581895	4.510934	chr9
7901175	1.044057	9.946444	6.199213	4.98E-05	0.002039462	2.235522	chr1
7915910	1.043128	9.609086	5.91906	7.60E-05	0.002678955	1.811551	chr1
7903786	1.042943	9.671158	6.682967	2.47E-05	0.001392091	2.94041	chr1
8146986	1.042923	5.167095	5.67169	0.000111258	0.003352632	1.42752	chr8
8018966	1.042458	10.20709	5.780225	9.40E-05	0.003069851	1.597132	chr17
7942332	1.038191	9.741441	8.190047	3.34E-06	0.000457104	4.926081	chr11
8108873	1.037299	9.688955	9.223627	9.82E-07	0.00024962	6.12086	chr5
7946977	1.028316	7.832468	5.66112	0.000113107	0.003402624	1.41091	chr11
8014008	1.018326	7.452267	5.122417	0.000267569	0.005721084	0.542682	chr17
8113214	1.012253	8.270879	5.559975	0.00013254	0.003797659	1.251121	chr5
8023727	1.011021	7.681597	7.728511	5.99E-06	0.000647318	4.350333	chr18
8140650	1.009065	7.684349	9.07251	1.17E-06	0.000273033	5.953916	chr7
8113073	1.005878	10.62302	10.50594	2.47E-07	0.000148044	7.440339	chr5
8140140	1.004457	10.71003	8.420322	2.52E-06	0.000409348	5.203289	chr7
7961540	1.0041	8.777092	5.473795	0.000151883	0.004093793	1.113788	chr12
7915787	1.00131	9.526786	6.657418	2.56E-05	0.001425735	2.904035	chr1
8077786	1.000903	7.528747	6.010475	6.61E-05	0.002444557	1.951172	chr3
7991546	-1.00105	9.864161	-6.51649	3.13E-05	0.001589062	2.701692	chr15
8138527	-1.00428	7.707925	-6.0241	6.48E-05	0.002408195	1.971872	chr7
7931097	-1.01249	9.865746	-8.75324	1.69E-06	0.000343429	5.592686	chr10
7965226	-1.04565	7.028784	-6.59819	2.79E-05	0.001501087	2.819351	chr12
7967318	-1.0494	5.895013	-4.82652	0.00043686	0.007819051	0.048253	chr12
7964484	-1.0803	8.600561	-5.5553	0.000133518	0.003820161	1.243706	chr12
8068583	-1.09879	7.124322	-7.07373	1.43E-05	0.0010209	3.485131	chr21
8050240	-1.12536	11.29691	-6.82682	2.01E-05	0.00123276	3.143475	chr2

8059413	-1.13238	8.066551	-6.56358	2.93E-05	0.00154914	2.769622	chr2
8053059	-1.13782	10.8972	-22.9298	3.88E-11	7.72E-07	14.69279	chr2
8109752	-1.14071	10.14761	-5.52897	0.000139181	0.003909048	1.201839	chr5
8022728	-1.16154	7.201697	-5.05922	0.000296802	0.006091085	0.438094	chr18
8147079	-1.17135	9.359107	-18.9218	3.53E-10	3.51E-06	13.1074	chr8
8130116	-1.17974	8.764098	-12.5397	3.61E-08	5.36E-05	9.223397	chr6
8115144	-1.18695	9.003844	-7.50118	8.06E-06	0.000746077	4.056532	chr5
8136807	-1.18918	8.536291	-6.27463	4.46E-05	0.00192062	2.347674	--
7950743	-1.19358	7.884352	-7.15394	1.28E-05	0.000959613	3.594264	chr11
8012220	-1.20685	8.793544	-8.37748	2.65E-06	0.000412369	5.152206	chr17
8166784	-1.2087	8.607988	-6.51927	3.12E-05	0.001586752	2.70571	chrX
7977933	-1.21295	9.943249	-9.02604	1.23E-06	0.000278198	5.902059	chr14
8129134	-1.30927	8.928754	-6.46589	3.37E-05	0.001663035	2.628328	chr6
7950899	-1.31081	10.07621	-8.28003	2.99E-06	0.000443782	5.035188	chr11
7964733	-1.32612	6.602495	-6.79708	2.10E-05	0.001254737	3.101736	chr12
7946334	-1.33939	6.12418	-5.72705	0.00010208	0.003206744	1.514255	chr11
8082058	-1.35989	8.260798	-6.24043	4.69E-05	0.001974676	2.296924	chr3
7989501	-1.39664	10.05547	-9.03979	1.21E-06	0.000277615	5.91743	chr15
7971150	-1.44383	9.885984	-11.1765	1.27E-07	0.000105233	8.066902	chr13
7948420	-1.45571	8.381133	-5.37518	0.000177732	0.004494655	0.955307	chr11
8094988	-1.51284	5.848888	-5.13114	0.00026378	0.005704529	0.557066	chr4
7953775	-1.60801	7.744061	-4.75874	0.000489613	0.008486091	-0.06668	chr12
7976567	-1.66639	8.865008	-6.79691	2.10E-05	0.001254737	3.101497	chr14
7970441	-1.70493	9.376862	-5.67798	0.000110172	0.003339596	1.4374	chr13
7943197	-1.76704	8.088709	-4.73477	0.000509828	0.008739603	-0.10747	chr11
8054722	-2.04413	8.787572	-4.87588	0.000402219	0.007426291	0.131561	chr2
8054712	-2.78562	8.879776	-7.52823	7.78E-06	0.000736237	4.091846	chr2

start	end	strand	geneID	genename	geneDescr	mRNAid
1.49E+08	1.49E+08	-	NM_00009	CP	ceruloplasr	NM_000096
32407701	32411702	+	NM_01911	HLA-DRA	major histc	NM_019111
1.23E+08	1.23E+08	+	NM_00144	FABP7	fatty acid b	NM_001446
77747662	78025654	+	NM_17485	AK5	adenylate k	NM_174858
1.33E+08	1.33E+08	+	NM_00106	TF	transferrin	NM_001063
55524075	55606881	+	NM_00022	KIT	v-kit Hardy	NM_000222
1.22E+08	1.22E+08	-	NM_02487	TNIP3	TNFAIP3 in	NM_024873
1.49E+08	1.49E+08	-	NM_13878	TM4SF18	transmemt	NM_138786
93388199	93392858	-	NM_00539	PPP1R3C	protein ph	NM_005398
1.24E+08	1.24E+08	+	NM_00732	DMBT1	deleted in r	NM_007329
92671853	92681033	-	NM_01439	ANKRD1	ankyrin rep	NM_014391
1.16E+08	1.16E+08	+	NM_02488	C10orf81	chromosom	NM_024889
15163015	15166900	+	NM_01211	CASP14	caspase 14,	NM_012114
17360694	17496329	-	NM_00100	ST8SIA6	ST8 alpha-1	NM_001004470
1.18E+08	1.18E+08	-	NM_00511	TNFSF15	tumor necr	NM_005118
2.18E+08	2.18E+08	-	NM_00059	IGFBP5	insulin-like	NM_000599
84011215	84035911	-	NM_01661	PLAC8	placenta-sp	NM_016619
1.13E+08	1.13E+08	+	NM_18135	NCAM1	neural cell	NM_181351
47846039	47847581	-	NM_00101	C6orf138	chromosom	NM_001013732
85857905	86153461	-	NM_17493	FRMD3	FERM dom	NM_174938
1.14E+08	1.14E+08	+	NM_01623	ACSL5	acyl-CoA sy	NM_016234
18389434	18480204	-	NM_00297	SATB1	SATB home	NM_002971
95047811	95059452	+	NM_00062	SERPINA5	serpin pept	NM_000624
13983914	14289656	+	NM_00610	SPON1	spondin 1,	NM_006108
47489240	47516423	+	NM_17803	CYP4X1	cytochrom	NM_178033
1.21E+08	1.21E+08	+	NM_19946	NANOS1	nanos hom	NM_199461
10528589	10629601	+	NM_14564	GCNT2	glucosamin	NM_145649
1.31E+08	1.32E+08	-	NM_13080	CPNE4	copine IV	NM_130808
64171321	64271409	-	NM_02115	CDH19	cadherin 1	NM_021153
97187339	97280349	+	NM_02119	PTBP2	polypyrimi	NM_021190
6728085	6735529	-	NM_00521	DEFB1	defensin, b	NM_005218
46477496	46506653	-	NM_00234	LTF	lactotransf	NM_002343
48018531	48025035	-	NM_00627	S100B	S100 calci	NM_006272
38780298	38856932	-	NM_00573	RASGRP1	RAS guanyl	NM_005739
0	0	---	---	NA	NA	NM_030965.1
74702382	74704477	+	NM_00299	CXCL6	chemokine	NM_002993
17393256	17445930	-	NM_00736	PADI2	peptidyl ar	NM_007365
15645441	15683154	-	NM_02066	TMEM27	transmemt	NM_020665
5282622	5295059	-	NM_14477	PROKR2	prokinetici	NM_144773
37865835	37988069	+	NM_13878	SYTL5	synaptotag	NM_138780
32916395	32920868	-	NM_00612	HLA-DMA	major histc	NM_006120
1.2E+08	1.2E+08	-	NM_00254	TNFRSF11B	tumor necr	NM_002546
20353163	20370848	-	NM_00104	LGALS9B	lectin, gala	NM_001042685
19422057	19510432	+	NM_00110	TMC5	transmemt	NM_001105248
35048848	35230577	-	NM_00094	PRLR	prolactin r	NM_000949
1.85E+08	1.85E+08	+	NM_00472	MAP3K13	mitogen-ac	NM_004721
50242699	50258406	+	NM_00684	SLC38A3	solute carri	NM_006841
24495590	24765281	-	NM_03142	CHST9	carbohydr	NM_031422
1.12E+08	1.12E+08	+	NM_00102	CHI3L2	chitinase 3	NM_001025199
99899215	99926296	+	NM_01446	SRPX2	sushi-repea	NM_014467
1.04E+08	1.04E+08	+	NM_00629	TNFAIP2	tumor necr	NM_006291

89646831	89664615	-	NM_05294	GBP4	guanylate k	NM_052941
1.7E+08	1.7E+08	+	NM_00560	CLDN11	claudin 11	NM_005602
37261128	37499844	-	NM_00083	GRIK3	glutamate r	NM_000831
1.31E+08	1.31E+08	-	NM_00101	PODXL	podocalyxin	NM_001018111
1.69E+08	1.69E+08	-	NM_00110	MECOM	MDS1 and f	NM_001105077
1.02E+08	1.02E+08	+	NM_00116	BIRC3	baculoviral	NM_001165
37455563	37593846	+	NM_00110	C4orf19	chromosom	NM_001104629
42836478	42880078	-	NM_00113	TMPRSS2	transmemk	NM_001135099
1.5E+08	1.5E+08	-	NM_00102	CD74	CD74 mole	NM_001025159
1.22E+08	1.22E+08	-	NM_02102	SNTB1	syntrophin	NM_021021
90328126	90358068	-	NM_00115	ANPEP	alanyl (men	NM_001150
63304280	63313930	+	NM_00458	RARRES3	retinoic aci	NM_004585
15939809	15946165	+	NR_01537	UCA1	urothelial c	NR_015379
1.12E+08	1.13E+08	-	NM_00110	LAMA4	laminin, al	NM_001105206
1.35E+08	1.35E+08	+	NM_00444	EPHB1	EPH recept	NM_004441
91628030	91793682	-	NM_01684	SHC3	SHC (Src ho	NM_016848
1.33E+08	1.33E+08	-	NM_00466	VNN2	vanin 2	NM_004665
1.42E+08	1.42E+08	+	NR_00371	LOC93432	maltase-glu	NR_003715
35673853	35681156	+	NM_00121	CA9	carbonic ar	NM_001216
1.51E+08	1.51E+08	-	NM_00394	SELENBP1	selenium bi	NM_003944
1.87E+08	1.87E+08	-	NM_02106	SORBS2	sorbin and	NM_021069
31556978	31693303	+	NM_19430	CCDC129	coiled-coil	NM_194300
6456013	6484715	-	NM_00103	SCNN1A	sodium cha	NM_001038
89573310	89591799	-	NM_00412	GBP2	guanylate k	NM_004120
25956824	25976586	+	NM_00958	LGALS9	lectin, gala	NM_009587
1.21E+08	1.21E+08	-	NM_00231	LOX	lysyl oxidas	NM_002317
85198360	85201802	-	NM_02107	NMB	neuromedi	NM_021077
48002113	48189670	+	NM_00284	PTPRJ	protein tyr	NM_002843
10381764	10397291	+	NM_00020	ICAM1	intercellul	NM_000201
48432427	48470513	-	NM_01613	MYEF2	myelin exp	NM_016132
38797876	38806412	-	NM_00326	TLR1	toll-like rec	NM_003263
68165676	68176444	+	NM_00089	KCNJ2	potassium i	NM_000891
32582296	32584222	+	NM_00298	CCL2	chemokine	NM_002982
95212809	95225925	-	NM_00261	PDK4	pyruvate d	NM_002612
1.33E+08	1.33E+08	-	NM_00466	VNN1	vanin 1	NM_004666
64501333	64673365	-	NM_18292	ADAMTS9	ADAM met	NM_182920
78272049	78338377	+	NM_00104	SLAIN1	SLAIN moti	NM_001040153
50355279	50359461	+	NM_00165	AQP5	aquaporin	NM_001651
87905744	87936209	-	NM_02463	STEAP4	STEAP famil	NM_024636
1.75E+08	1.76E+08	+	NM_20701	NAALADL2	N-acetylate	NM_207015
47314752	47621691	-	NM_02274	TNS3	tensin 3	NM_022748
1.36E+08	1.36E+08	+	NM_01626	VGLL1	vestigial lik	NM_016267
24151580	24212726	+	NM_01426	ADAM28	ADAM met	NM_014265
24577425	24585074	+	NM_01960	SUSD2	sushi doma	NM_019601
18496968	18499987	+	NM_00486	GDF15	growth diff	NM_004864
64451590	64453404	-	NM_00100	ERV3	endogenou	NM_001007253
1.16E+08	1.16E+08	+	NM_00723	SLC6A14	solute carri	NM_007231
37783179	37792878	+	NM_03219	PPP1R1B	protein ph	NM_032192
54663846	54676944	-	NM_00114	TMC4	transmemk	NM_001145303
27168010	27170399	-	NM_00214	HOXA4	homeobox	NM_002141
41361624	41701010	+	NM_01498	LIMCH1	LIM and cal	NM_014988
92759368	92777680	-	NM_15270	SAMD9L	sterile alph	NM_152703

1.61E+08	1.61E+08	+	NM_02197	SLC22A3	solute carri	NM_021977
90883436	90883531	+	NR_03075	MIR622	microRNA	NR_030754
43791946	43816955	-	NM_02402	TMPRSS3	transmembr	NM_024022
74735109	74749385	+	NM_00151	CXCL1	chemokine	NM_001511
52471925	52580635	-	NM_00108	TOX3	TOX high m	NM_001080430
1212787	1282838	+	NM_00245	MUC5B	mucin 5B, c	NM_002458
79086116	79108484	+	NM_00682	IFI44L	interferon-i	NM_006820
36649112	36663577	+	NM_14534	APOL1	apolipopro	NM_145343
76751934	76924525	+	NM_02087	CCDC146	coiled-coil	NM_020879
20180251	20257013	-	NM_18276	MACC1	metastasis	NM_182762
52484519	52587941	-	NM_01872	MYO5C	myosin VC	NM_018728
30774227	30774329	+	NM_00022	KRT18	keratin 18	NM_000224
38059187	38064625	-	NM_00449	FOXA1	forkhead b	NM_004496
95657864	95786202	-	NM_02473	CLMN	calmin (cal	NM_024734
15991795	16497918	-	NM_01750	SOX6	SRY (sex det	NM_017508
1.58E+08	1.58E+08	-	NM_02016	LXN	latexin	NM_020169
73357223	73373864	+	NM_02120	PLEKHB1	pleckstrin	NM_021200
72452148	72490126	-	NM_00101	GRAMD2	GRAM dom	NM_001012642
46029333	46035110	-	NM_02432	PRR15L	proline rich	NM_024320
11047284	11378674	+	NM_00102	CELF2	CUGBP, Ela	NM_001025077
1.32E+08	1.32E+08	-	NM_00219	IRF1	interferon	NM_002198
94536949	94925727	+	NM_00116	PPP1R9A	protein ph	NM_001166160
1.57E+08	1.57E+08	+	NM_00085	GUCY1A3	guanylate c	NM_000856
36868311	36900374	-	NM_01483	TRANK1	tetratricop	NM_014831
1.55E+08	1.55E+08	-	NM_00101	MUC1	mucin 1, c	NM_001018016
20715727	20838617	+	NM_13837	CABLES1	Cdk5 and A	NM_138375
1.34E+08	1.34E+08	+	NM_03142	AIF1L	allograft in	NM_031426
46640759	46651630	+	NM_00572	TSPAN1	tetraspanin	NM_005727
47649261	47656716	-	NM_00576	PDZK1IP1	PDZK1 inte	NM_005764
1.1E+08	1.1E+08	+	NM_00075	CSF1	colony stir	NM_000757
76320271	76479069	+	NM_00413	HNF4G	hepatocyte	NM_004133
76848609	76921472	-	NM_00325	TIMP2	TIMP metal	NM_003255
71900602	71907366	+	NM_01672	FOLR1	folate rece	NM_016724
1.42E+08	1.43E+08	+	NM_01507	ARHGAP26	Rho GTPase	NM_015071
18252903	18258334	-	NM_00651	SAA4	serum amyl	NM_006512
28575221	28619075	-	NM_00038	BLMH	bleomycin	NM_000386
95149553	95158709	-	NM_00206	GLRX	glutaredoxi	NM_002064
65173819	65184217	-	NM_03216	DSEL	dermatan s	NM_032160
82993222	83278324	-	NM_01243	SEMA3E	sema doma	NM_012431
90664541	90679121	-	NM_02080	ARRDC3	arrestin do	NM_020801
73183327	73184576	-	NM_00130	CLDN3	claudin 3	NM_001306
15260717	15374304	-	NM_03291	RERG	RAS-like, es	NM_032918
46505812	46598467	-	NM_00362	PIK3R3	phosphoin	NM_003629
10206563	10285427	+	NM_00157	IRAK2	interleukin	NM_001570
1.01E+08	1.01E+08	-	NM_17884	LASS3	LAG1 homc	NM_178842
22459066	22539798	-	NM_20734	MGC87042	STEAP famil	NM_207342
1.24E+08	1.24E+08	+	NM_00277	HTRA1	HtrA serine	NM_002775
86198330	86230318	-	NM_00544	RASSF9	Ras associa	NM_005447
1.23E+08	1.23E+08	-	NM_17755	GPR109A	G protein-c	NM_177551
58017193	58026985	-	NM_00147	B4GALNT1	beta-1,4-N	NM_001478
39628664	39673748	+	NM_00224	KCNJ15	potassium i	NM_002243
10580094	10588630	-	NM_00253	ODC1	ornithine d	NM_002539

2.26E+08	2.26E+08	-	NM_01468	DOCK10	dedicator c	NM_014689
74362528	74375039	-	NM_21255	BOLA3	bolA homo	NM_212552
1.67E+08	1.68E+08	+	AK302302	ODZ2	odz, odd O;	AK302302
28709199	28742819	-	NM_02442	DSC1	desmocolli	NM_024421
86019450	86058311	+	NM_03340	LRRCC1	leucine ric	NM_033402
1.5E+08	1.5E+08	-	NM_00469	LATS1	LATS, large	NM_004690
1.5E+08	1.5E+08	-	NM_00101	ARSI	arylsulfatas	NM_001012301
0	0	---	NM_00277	PRSS2	protease, s	NM_002770
82692478	82782895	-	NM_01448	RAB30	RAB30, mei	NM_014488
7491496	7493494	-	NM_00694	SOX15	SRY (sex det	NM_006942
38420609	38548174	+	NM_00461	TSPAN7	tetraspanin	NM_004615
23594504	23652849	-	NM_01224	SLC7A8	solute carri	NM_012244
1.18E+08	1.18E+08	-	NM_00294	ROS1	c-ros onco	NM_002944
87846415	87908635	-	NM_02233	RAB38	RAB38, mei	NM_022337
66151800	66220754	-	NR_02682	RPSAP52	ribosomal	NR_026825
7980971	7985204	-	NM_17682	NLRP10	NLR family,	NM_176821
1.22E+08	1.22E+08	+	NM_00521	CSTA	cystatin A	(: NM_005213
63615730	63674075	-	NM_00121	CA12	carbonic ar	NM_001218
39917029	40177356	-	NM_00578	LHFP	lipoma HM	NM_005780
59548559	59549224	-	NM_00144	FABP5	fatty acid b	NM_001444
48988264	49064096	+	NM_02508	CWH43	cell wall bic	NM_025087
8975217	9033171	+	NM_14467	A2ML1	alpha-2-ma	NM_144670
96722559	96731100	+	NM_00071	BDKRB1	bradykinin	NM_000710
20761609	20767055	-	NM_00400	GJB2	gap junctio	NM_004004
93754544	93846917	+	NM_00109	HEPHL1	hephaestin	NM_001098672
1.14E+08	1.14E+08	-	NM_00057	IL1B	interleukin	NM_000576
1.14E+08	1.14E+08	-	NM_00057	IL1A	interleukin	NM_000575

Affyprobeset	logFC	AveExpr	t	P.Value	adj.P.Val	B	chrom
7930760	3.462545408	6.92827	22.16527	3.21E-13	1.05E-10	20.6906	chr10
7994058	3.416362511	7.144051	35.43987	2.43E-16	3.46E-13	27.49142	chr16
7938652	3.033071469	6.211258	25.75605	3.27E-14	1.76E-11	22.92195	chr11
8176234	2.924128413	6.70215	25.52087	3.77E-14	1.97E-11	22.7867	chrX
7976496	2.683165257	8.668408	19.95331	1.57E-12	3.60E-10	19.11204	chr14
7971150	2.6252099	8.185145	24.37806	7.57E-14	3.58E-11	22.1089	chr13
8015366	2.574146578	8.974587	18.63445	4.39E-12	7.66E-10	18.08162	chr17
8065071	2.389177105	6.912629	27.77136	1.03E-14	8.22E-12	24.02603	chr20
8025402	2.356369321	9.728415	47.42575	2.68E-18	1.33E-14	31.31042	chr19
8135069	2.305535566	9.951843	42.49479	1.47E-17	4.18E-14	29.92205	chr7
8180352	2.295066296	7.437794	19.21954	2.76E-12	5.61E-10	18.54767	---
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7905553	1.573646141	7.929826	13.2034	7.00E-10	5.02E-08	12.91176	chr1
7948420	1.516718563	8.504313	9.033221	1.36E-07	4.05E-06	7.461343	chr11
8142270	1.509027693	6.010971	16.86009	1.95E-11	2.54E-09	16.57275	chr7
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7928695	1.496088209	7.69591	20.43782	1.10E-12	2.81E-10	19.47304	chr10
8109093	1.481255975	8.687533	23.29249	1.51E-13	6.14E-11	21.43151	chr5
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8097058	1.272423326	7.085243	6.82959	4.62E-06	7.50E-05	3.803087	chr4

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7990952	1.222628452	7.514916	3.901893	0.001323	0.00825839	-1.99297	chr15
7931081	1.214226976	9.274433	16.10358	3.86E-11	4.41E-09	15.88134	chr10
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7942832	1.114405451	7.832856	9.373265	8.29E-08	2.65E-06	7.971915	chr11
8023995	1.109211717	9.420652	19.20212	2.80E-12	5.63E-10	18.53401	chr19
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7940565	-1.270876067	10.06137	-12.3933	1.73E-09	1.08E-07	11.97676	chr11
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7917516	-1.288563419	10.17253	-18.5823	4.58E-12	7.92E-10	18.0394	chr1
8050007	-1.293470271	6.966603	-16.9971	1.73E-11	2.31E-09	16.69473	chr2
7927964	-1.295976248	7.589865	-7.82675	8.67E-07	1.89E-05	5.536471	chr10
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7918323	-1.335847075	9.265853	-15.2673	8.46E-11	8.28E-09	15.07976	chr1
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8034210	-1.354051877	10.04103	-22.6954	2.25E-13	8.12E-11	21.04399	chr19

8023696	-1.36374002	7.761793	-9.40693	7.90E-08	2.55E-06	8.021738	chr18
8112202	-1.365910824	9.492864	-17.8976	8.03E-12	1.20E-09	17.47321	chr5
8080762	-1.36786756	8.188919	-21.3133	5.82E-13	1.68E-10	20.10317	chr3
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7923547	-1.373742819	6.212345	-8.65936	2.36E-07	6.34E-06	6.884184	chr1
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7919627	-1.39826537	7.968548	-7.10071	2.89E-06	5.11E-05	4.287589	chr1
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7977270	-1.446282342	9.553815	-11.1608	7.60E-09	3.75E-07	10.44867	chr14
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8066117	-1.476235011	10.3098	-14.0389	2.88E-10	2.33E-08	13.82429	chr20
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7937335	-2.697926916	12.06271	-60.0006	6.96E-20	1.38E-15	34.03017	chr11
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7977046	-2.995614594	8.768185	-28.0008	9.12E-15	8.22E-12	24.14581	chr14
7929047	-3.01150007	8.170397	-36.8198	1.35E-16	2.24E-13	28.0152	chr10
7967117	-3.048992524	8.850352	-30.9603	1.95E-15	2.15E-12	25.59417	chr12
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7958913	-3.663169614	9.967077	-31.508	1.49E-15	1.74E-12	25.84389	chr12
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start	end	strand	geneID	genename
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39738531	39743173	-	NM_000526	KRT14
14303634	14318270	-	NM_198391	FLRT3
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2.42E+08	2.43E+08	-	NM_152666	PLD5
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43803498	43805185	+	NM_002638	PI3
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2.16E+08	2.16E+08	-	NM_212482	FN1
33172392	33624576	+	NM_206943	LTBP1
2.01E+08	2.02E+08	+	NM_001159	AOX1
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16023181	16045676	-	NM_021187	CYP4F11
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59548559	59549224	-	NM_001444	FABP5
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52840435	52845910	-	NM_005555	KRT6B
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1.22E+08	1.22E+08	-	NM_014553	TFCP2L1
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86159809	86205498	+	NM_002526	NT5E
38420609	38548174	+	NM_004615	TSPAN7
82612768	82645701	+	NM_145018	C11orf82
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95672089	95953683	-	NM_005845	ABCC4
89513647	89629686	+	NM_014606	HERC3
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75174204	75179307	+	NM_001013442	EPGN
67511604	67597649	+	NM_181523	PIK3R1
2.43E+08	2.43E+08	-	NM_014812	CEP170
31205316	31230667	-	NM_006762	LAPTM5
83517735	83621473	-	NM_199330	HOMER2
50663414	50747588	-	NM_000124	ERCC6
1.98E+08	1.98E+08	+	NM_133494	NEK7
43407818	43663560	-	NM_018075	ANO10
90098631	90230077	+	NM_032270	LRRC8C
24463028	24466242	+	NM_001014442	PCOTH
27530441	27531492	-	NM_002822	TWF1
2.3E+08	2.3E+08	-	NM_017933	PID1
1.01E+08	1.01E+08	+	NM_152432	ARHGAP42
11129421	11141206	+	NM_005333	HCCS
1.05E+08	1.05E+08	-	NM_001034173	ALDH1L2
1.21E+08	1.21E+08	+	NM_002881	RALB
15518959	15519123	-	NM_006382	CDRT1
2.29E+08	2.29E+08	+	NM_178821	WDR69
54683454	54898583	+	NM_003128	SPTBN1
1.54E+08	1.54E+08	-	NM_000402	G6PD
31802645	31807541	+	NM_001040437	C6orf48
1.13E+08	1.13E+08	+	NM_001143906	TRAFD1
9992	10059	+	L23320	RFC1
50069801	50103123	+	NM_001040443	PHF11
92145900	92371559	-	NM_003243	TGFBR3
1.44E+08	1.44E+08	+	NM_002346	LY6E

91174343	91180758	+	NM_012420	IFIT5
76494285	76509198	+	NM_015516	TSKU
96722559	96731100	+	NM_000710	BDKRB1
80036213	80056106	-	NM_004104	FASN
1.17E+08	1.17E+08	+	NM_002269	KPNA5
74735109	74749385	+	NM_001511	CXCL1
1.5E+08	1.5E+08	-	NM_031462	CD99L2
71211226	71267425	+	NM_012339	TSPAN15
19422057	19510432	+	NM_001105248	TMC5
57319129	57335757	-	NM_004223	UBE2L6
1.69E+08	1.69E+08	-	NM_001012967	DDX60L
12627939	12677820	-	NM_004753	DHRS3
76967335	76976061	-	NM_005567	LGALS3BP
2920951	2946476	+	NM_002555	SLC22A18
14258547	14316997	-	NM_001008701	LPHN1
29603427	29606911	+	NM_175887	PRR15
29193608	29208185	-	NM_001394	DUSP4
2.05E+08	2.06E+08	+	NM_212503	CDK18
32042113	32053287	+	NM_022164	TINAGL1
1.22E+08	1.22E+08	+	NM_138287	DTX3L
44881875	44952900	+	NM_130783	TSPAN18
2.19E+08	2.2E+08	+	NM_032726	PLCD4
39105357	39219675	-	NM_001465	FYB
4932508	4987136	-	NM_002705	PPL
27168010	27170399	-	NM_002141	HOXA4
53290971	53298860	-	NM_002273	KRT8
11866268	11903201	+	NM_001286	CLCN6
65270115	65270288	-	BC018448	MALAT1
65306274	65325699	-	NM_001130144	LTBP3
15005522	15071774	+	NM_182485	CPEB2
66129992	66139645	-	NM_001532	SLC29A2
7446	7517	-	AF284753	UIMC1
90895542	90909309	+	NM_001004309	ZNF774
1.42E+08	1.42E+08	-	NM_001080431	SLC45A4
24025231	24028787	+	NM_024328	THTPA
62688439	62703700	+	NM_198723	TCEA2
57290004	57318576	-	NM_015993	PLLP
1.6E+08	1.6E+08	-	NM_024565	CCNJL
27139973	27142394	-	NM_006735	HOXA2
16771938	16799831	+	NM_024074	TMEM38A
1.49E+08	1.49E+08	+	NM_024028	PCYOX1L
2.04E+08	2.04E+08	-	NM_014935	PLEKHA6
77385245	77395179	-	NM_015975	TAF9B
1.46E+08	1.46E+08	-	NM_021105	PLSCR1
92728831	92747336	-	NM_017654	SAMD9
1.24E+08	1.24E+08	+	NM_002006	FGF2
58938903	58976060	+	NM_015177	DTX4
44319619	44343448	+	NM_025225	PNPLA3
1.4E+08	1.4E+08	-	NM_001945	HBEGF
54094757	54209714	-	NM_017848	FAM120C
7247150	7261793	-	NM_016546	C1RL
26900133	26903951	-	NM_005165	ALDOC

2.31E+08	2.31E+08	-	NM_080424	SP110
1.41E+08	1.41E+08	+	NM_018934	PCDHB14
1.92E+08	1.92E+08	-	NM_007315	STAT1
42733950	42780869	+	NM_002463	MX2
6532464	6645692	-	NM_000170	GLDC
1.83E+08	1.83E+08	-	NM_015039	NMNAT2
937540	994285	-	NM_006869	ADAP1
40610862	40674597	+	NM_001130020	ATP6V0A1
30960415	30966259	+	NM_152288	ORAI3
27805893	27845963	+	NM_032434	ZNF512
67777790	67796743	+	NM_000694	ALDH3B1
6585850	6591163	-	NM_001252	CD70
1.07E+08	1.07E+08	+	NM_152772	TCP11L2
18632758	18660164	+	NM_017414	USP18
1.32E+08	1.32E+08	-	NM_000755	CRAT
50474422	50528581	+	NM_003645	SLC27A2
1852317	1858751	+	NM_138567	SYT8
20353163	20370848	-	NM_001042685	LGALS9B
96671197	96710789	+	NM_000623	BDKRB2
2.07E+08	2.07E+08	+	NM_182663	RASSF5
1.11E+08	1.11E+08	-	NM_004772	C5orf13
1.45E+08	1.45E+08	+	NM_006472	TXNIP
7168017	7178336	+	NM_201442	C1S
15163015	15166900	+	NM_012114	CASP14
3728374	3750810	+	NM_014428	TJP3
48432427	48470513	-	NM_016132	MYEF2
39669997	39678665	-	NM_002275	KRT15
10381764	10397291	+	NM_000201	ICAM1
13357737	13461809	-	NM_024923	NUP210
26440763	26453650	+	NM_006994	BTN3A3
88718385	88723017	+	NM_003087	SNCG
21754795	21756030	+	NM_004807	HS6ST1
24171567	24194784	-	NM_000147	FUCA1
61583749	61634825	+	NM_004265	FADS2
30194914	30200397	+	NM_007074	CORO1A
2198637	2204640	+	NM_014353	RAB26
6939702	6943281	+	NM_201566	SLC16A13
89518001	89531043	-	NM_002053	GBP1
1635659	1748291	-	NM_012293	PXDN
70847828	70864567	+	NM_002727	SRGN
94929162	94938296	+	NM_001161778	PDP1
95657864	95786202	-	NM_024734	CLMN
36606689	36688436	+	NM_004172	SLC1A3
15260717	15374304	-	NM_032918	RERG
56735381	56753909	-	NM_005419	STAT2
1.4E+08	1.4E+08	-	NM_006079	CITED2
46967117	47010082	-	NM_153840	GPR110
29910330	29913550	+	NM_002116	HLA-A
1.1E+08	1.1E+08	-	NM_002959	SORT1
33462745	33515765	+	NM_018677	ACSS2
26726049	26733228	-	NM_080669	SLC46A1
11453452	11462545	-	NM_198536	TMEM205

61322431	61329127	-	NM_006919	SERPINB3
57749809	57756087	-	NM_006622	PLK2
58223309	58280461	+	NM_020676	ABHD6
80371854	80548667	-	NM_006379	SEMA3C
42032751	42065194	-	NM_000930	PLAT
2.03E+08	2.03E+08	-	NM_001276	CHI3L1
7760441	7941586	-	NM_198595	AFAP1
29691237	29694289	+	NM_018950	HLA-F
72452148	72490126	-	NM_001012642	GRAMD2
75011883	75017877	-	NM_000499	CYP1A1
1.5E+08	1.5E+08	-	NM_003548	HIST2H4A
1.37E+08	1.37E+08	-	NM_052962	IL22RA2
5710919	5732093	+	NM_006074	TRIM22
35606783	35615228	+	NM_021910	FXD3
63661059	63856703	+	NM_032199	ARID5B
47572655	47592372	+	NM_002507	NGFR
1.52E+08	1.52E+08	+	NM_020127	TUFT1
2.39E+08	2.39E+08	+	NM_001137550	LRRFIP1
17513755	17516457	-	NM_004335	BST2
43747548	43751248	-	NM_182517	C1orf210
1.11E+08	1.11E+08	-	NM_004696	SLC16A4
1.34E+08	1.34E+08	-	NM_145176	SLC2A12
1.05E+08	1.05E+08	+	AK131040	LOC388022
6531020	6535933	+	NM_003811	TNFSF9
61254600	61266433	+	NM_012397	SERPINB13
37779996	37780913	+	NM_181791	GPR141
3000033	3050304	+	NM_003324	TULP3
18885330	18939294	+	NM_001338	CXADR
38599676	38613982	+	NM_001552	IGFBP4
35520347	35580176	-	NM_015474	SAMHD1
6658794	6678966	+	NM_017523	XAF1
1.42E+08	1.43E+08	+	NM_015071	ARHGAP26
42853050	42983478	-	NM_153026	PRICKLE1
30116131	30124878	-	NM_024307	GDPD3
94492724	94515276	+	NM_023112	OTUB2
1.22E+08	1.22E+08	-	NM_019034	RHOF
47314752	47621691	-	NM_022748	TNS3
32821935	32827628	+	NM_002800	PSMB9
47489240	47516423	+	NM_178033	CYP4X1
39436673	39451977	+	NM_145298	APOBEC3F
1.51E+08	1.51E+08	-	NM_001447	FAT2
1.36E+08	1.37E+08	-	NM_004598	SPOCK1
1.13E+08	1.13E+08	+	NM_006187	OAS3
94577079	94583033	+	NM_001130080	IFI27
1.8E+08	1.8E+08	-	NM_005110	GFPT2
1.83E+08	1.83E+08	-	NM_014398	LAMP3
1.24E+08	1.24E+08	+	NM_007329	DMBT1
1.57E+08	1.57E+08	+	NM_001099287	NIPAL4
1.1E+08	1.1E+08	+	NM_000757	CSF1
7187513	7245043	-	NM_001733	C1R
1.25E+08	1.25E+08	+	NM_000962	PTGS1
70346143	70499083	+	NM_001034852	SMOC1

17393256	17445930	-	NM_007365	PADI2
89299891	89364249	+	NM_017912	HERC6
1.55E+08	1.55E+08	+	NM_005542	INSIG1
1.9E+08	1.9E+08	-	NM_021101	CLDN1
1.32E+08	1.32E+08	-	NM_002198	IRF1
1.63E+08	1.63E+08	-	NM_022168	IFIH1
49209056	49213919	+	NM_173546	KLHDC8B
1.31E+08	1.31E+08	+	NM_005564	LCN2
1.4E+08	1.4E+08	-	NM_000591	CD14
27180996	27183287	-	NM_019102	HOXA5
38201114	38203443	+	NM_005318	H1FO
63304280	63313930	+	NM_004585	RARRES3
35856991	35879705	+	NM_002185	IL7R
1.31E+08	1.31E+08	-	NM_001018111	PODXL
3208063	3219836	-	NM_032034	SLC4A11
64879356	64883828	+	NM_003273	TM7SF2
79115512	79129763	+	NM_006417	IFI44
1.69E+08	1.69E+08	-	NM_017631	DDX60
24630422	24636611	+	NM_006084	IRF9
54663846	54676944	-	NM_001145303	TMC4
1.25E+08	1.25E+08	-	NM_058229	FBXO32
1.14E+08	1.14E+08	+	NM_016234	ACSL5
76954835	76957352	-	NM_005409	CXCL11
31430959	31433586	+	NM_006674	HCP5
49842638	49851423	-	NM_003335	UBA7
89378268	89427314	+	NM_016323	HERC5
76011751	76031595	+	NM_001992	F2R
18496968	18499987	+	NM_004864	GDF15
57653958	57698944	+	NM_201524	GPR56
1.16E+08	1.16E+08	+	NM_007231	SLC6A14
41158814	41166473	+	NM_005533	IFI35
32455300	32526322	-	NM_014314	DDX58
1.51E+08	1.51E+08	-	NM_003944	SELENBP1
1.22E+08	1.22E+08	-	NM_031458	PARP9
36756863	36793700	-	NM_004613	TGM2
27454434	27472371	-	NM_001831	CLU
38294650	38303292	-	NM_000104	CYP1B1
66429144	66551435	-	NM_015541	LRIG1
42410390	42659110	-	NM_006095	ATP8A1
71392620	71424336	+	NM_001740	CALB2
7348380	7361026	+	NM_000747	CHRNB1
2.02E+08	2.02E+08	+	NM_001114309	ELF3
31913999	31918422	+	NM_001710	CFB
17575593	17610728	+	NM_016233	PADI3
34198495	34207377	-	NM_002985	CCL5
79086116	79108484	+	NM_006820	IFI44L
72356367	72374963	-	NM_019885	CYP26B1
92759368	92777680	-	NM_152703	SAMD9L
1.13E+08	1.13E+08	+	NM_016816	OAS1
313853	315272	+	NM_003641	IFITM1
1.3E+08	1.3E+08	+	NM_016352	CPA4
1.72E+08	1.72E+08	-	NM_003810	TNFSF10

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91061712	91069033	+	NM_001547	IFIT2
1.21E+08	1.21E+08	-	NM_003733	OASL
91087651	91100728	+	NM_001031683	IFIT3
10310900	10324737	-	NM_002543	OLR1
76942273	76944650	-	NM_001565	CXCL10
7017796	7038370	+	NM_080657	RSAD2
33441152	33447609	-	NM_004925	AQP3
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52769988	52790524	-	NM_000782	CYP24A1
91152303	91163745	+	NM_001548	IFIT1

geneDescr	mRNAid
pancreatic lipase-related protein 3	NM_001011709
sodium channel, nonvoltage-gated 1, gamma	NM_001039
inscuteable homolog (Drosophila)	NM_001031853
chloride intracellular channel 2	NM_001289
serpin peptidase inhibitor, clade A (alpha1)	NM_001085
lipoma HMGIC fusion partner	NM_005780
keratin 14	NM_000526
fibronectin leucine rich transmembrane	NM_198391
angiopoietin-like 4	NM_139314
serpin peptidase inhibitor, clade E (nexin)	NM_000602
NA	NM_054031.2
solute carrier family 26 (sulfate transpo	NM_000112
decorin	NM_001920
delta/notch-like EGF repeat containing	NM_139072
transgelin	NM_001001522
cyclin A1	NM_003914
phospholipase D family, member 5	NM_152666
hydroxysteroid (17-beta) dehydrogenas	NM_002153
peptidase inhibitor 3, skin-derived	NM_002638
inhibitor of DNA binding 2, dominant n	NM_002166
syndecan binding protein (syntenin) 2	NM_080489
membrane metallo-endopeptidase	NM_007288
fibronectin 1	NM_212482
latent transforming growth factor beta	NM_206943
aldehyde oxidase 1	NM_001159
N-myc downstream regulated 1	NM_001135242
cytochrome P450, family 4, subfamily F	NM_021187
serpin peptidase inhibitor, clade B (oval	NM_001143818
small proline-rich protein 1B (cornifin)	NM_003125
fatty acid binding protein 5 (psoriasis-a:	NM_001444
neuronal cell adhesion molecule	NM_001037132
transmembrane protein 66	NM_016127
chromosome 10 open reading frame 58	NM_032333
actin binding LIM protein family, memk	NM_014945
chemokine (C-C motif) ligand 20	NM_004591
fibroblast activation protein, alpha	NM_004460
snail homolog 2 (Drosophila)	NM_003068
regulator of G-protein signaling 2, 24kD	NM_002923
keratin 6B	NM_005555
G protein-coupled receptor 64	NM_001079858
cullin 4B	NM_001079872
mal, T-cell differentiation protein-like	NM_005434
dual specificity phosphatase 1	NM_004417
COP9 constitutive photomorphogenic |	NM_198189
BMP and activin membrane-bound inhi	NM_012342
transcription factor CP2-like 1	NM_014553
smoothelin	NM_134269
calmodulin regulated spectrin-associat	NM_203459
family with sequence similarity 172, m	AK127584
neuron navigator 3	NM_014903
centrosomal protein 170kDa-like	NR_003135

ring finger protein 125	NM_017831
potassium inwardly-rectifying channel, NM_002243	
retinoic acid early transcript 1E	NM_139165
arachidonate 15-lipoxygenase, type B	NM_001141
keratin 6A	NM_005554
transmembrane and tetratricopeptide r	NM_175861
hypothetical LOC80154	NR_026811
pleckstrin homology domain containin	NM_021622
protein phosphatase 2, regulatory subu	NM_020416
dual specificity phosphatase 10	NM_007207
LATS, large tumor suppressor, homolog	NM_004690
transglutaminase 1 (K polypeptide epid	NM_000359
centromere protein E, 312kDa	NM_001813
collagen and calcium binding EGF dom	NM_133459
thrombospondin 1	NM_003246
serum amyloid A1	NM_000331
period homolog 1 (Drosophila)	NM_002616
MAP/microtubule affinity-regulating ki	NM_018650
5'-nucleotidase, ecto (CD73)	NM_002526
tetraspanin 7	NM_004615
chromosome 11 open reading frame 82	NM_145018
follistatin-like 3 (secreted glycoprotein)	NM_005860
S100 calcium binding protein P	NM_005980
ATP-binding cassette, sub-family C (CFTI	NM_005845
hect domain and RLD 3	NM_014606
tubulin, alpha 1a	NM_006009
epithelial mitogen homolog (mouse)	NM_001013442
phosphoinositide-3-kinase, regulatory s	NM_181523
centrosomal protein 170kDa	NM_014812
lysosomal protein transmembrane 5	NM_006762
homer homolog 2 (Drosophila)	NM_199330
excision repair cross-complementing rc	NM_000124
NIMA (never in mitosis gene a)-related k	NM_133494
anoctamin 10	NM_018075
leucine rich repeat containing 8 family,	NM_032270
prostate collagen triple helix	NM_001014442
twinfilin, actin-binding protein, homol	NM_002822
phosphotyrosine interaction domain cc	NM_017933
Rho GTPase activating protein 42	NM_152432
holocytochrome c synthase	NM_005333
aldehyde dehydrogenase 1 family, mem	NM_001034173
v-ral simian leukemia viral oncogene ho	NM_002881
CMT1A duplicated region transcript 1	NM_006382
WD repeat domain 69	NM_178821
spectrin, beta, non-erythrocytic 1	NM_003128
glucose-6-phosphate dehydrogenase	NM_000402
chromosome 6 open reading frame 48	NM_001040437
TRAF-type zinc finger domain containin	NM_001143906
replication factor C (activator 1) 1, 145|	L23320
PHD finger protein 11	NM_001040443
transforming growth factor, beta recep	NM_003243
lymphocyte antigen 6 complex, locus E	NM_002346

interferon-induced protein with tetratr NM_012420
tsukushi small leucine rich proteoglyca NM_015516
bradykinin receptor B1 NM_000710
fatty acid synthase NM_004104
karyopherin alpha 5 (importin alpha 6) NM_002269
chemokine (C-X-C motif) ligand 1 (melar NM_001511
CD99 molecule-like 2 NM_031462
tetraspanin 15 NM_012339
transmembrane channel-like 5 NM_001105248
ubiquitin-conjugating enzyme E2L 6 NM_004223
DEAD (Asp-Glu-Ala-Asp) box polypeptid NM_001012967
dehydrogenase/reductase (SDR family) r NM_004753
lectin, galactoside-binding, soluble, 3 b NM_005567
solute carrier family 22, member 18 NM_002555
latrophilin 1 NM_001008701
proline rich 15 NM_175887
dual specificity phosphatase 4 NM_001394
cyclin-dependent kinase 18 NM_212503
tubulointerstitial nephritis antigen-like NM_022164
deltex 3-like (Drosophila) NM_138287
tetraspanin 18 NM_130783
phospholipase C, delta 4 NM_032726
FYN binding protein NM_001465
periplakin NM_002705
homeobox A4 NM_002141
keratin 8 NM_002273
chloride channel 6 NM_001286
metastasis associated lung adenocarcin BC018448
latent transforming growth factor beta NM_001130144
cytoplasmic polyadenylation element k NM_182485
solute carrier family 29 (nucleoside trar NM_001532
ubiquitin interaction motif containing AF284753
zinc finger protein 774 NM_001004309
solute carrier family 45, member 4 NM_001080431
thiamine triphosphatase NM_024328
transcription elongation factor A (SII), 2 NM_198723
plasma membrane proteolipid (plasmol NM_015993
cyclin J-like NM_024565
homeobox A2 NM_006735
transmembrane protein 38A NM_024074
prenylcysteine oxidase 1 like NM_024028
pleckstrin homology domain containin NM_014935
TAF9B RNA polymerase II, TATA box bin NM_015975
phospholipid scramblase 1 NM_021105
sterile alpha motif domain containing 9 NM_017654
fibroblast growth factor 2 (basic) NM_002006
deltex homolog 4 (Drosophila) NM_015177
patatin-like phospholipase domain con NM_025225
heparin-binding EGF-like growth factor NM_001945
family with sequence similarity 120C NM_017848
complement component 1, r subcomp NM_016546
aldolase C, fructose-bisphosphate NM_005165

SP110 nuclear body protein	NM_080424
protocadherin beta 14	NM_018934
signal transducer and activator of trans	NM_007315
myxovirus (influenza virus) resistance 2	NM_002463
glycine dehydrogenase (decarboxylati	NM_000170
nicotinamide nucleotide adenyltrans	NM_015039
ArfGAP with dual PH domains 1	NM_006869
ATPase, H ⁺ transporting, lysosomal VO s	NM_001130020
ORAI calcium release-activated calcium	NM_152288
zinc finger protein 512	NM_032434
aldehyde dehydrogenase 3 family, mem	NM_000694
CD70 molecule	NM_001252
t-complex 11 (mouse)-like 2	NM_152772
ubiquitin specific peptidase 18	NM_017414
carnitine O-acetyltransferase	NM_000755
solute carrier family 27 (fatty acid trans	NM_003645
synaptotagmin VIII	NM_138567
lectin, galactoside-binding, soluble, 9B	NM_001042685
bradykinin receptor B2	NM_000623
Ras association (RalGDS/AF-6) domain f	NM_182663
chromosome 5 open reading frame 13	NM_004772
thioredoxin interacting protein	NM_006472
complement component 1, s subcomp	NM_201442
caspace 14, apoptosis-related cysteine p	NM_012114
tight junction protein 3 (zona occluden	NM_014428
myelin expression factor 2	NM_016132
keratin 15	NM_002275
intercellular adhesion molecule 1	NM_000201
nucleoporin 210kDa	NM_024923
butyrophilin, subfamily 3, member A3	NM_006994
synuclein, gamma (breast cancer-specifi	NM_003087
heparan sulfate 6-O-sulfotransferase 1	NM_004807
fucosidase, alpha-L- 1, tissue	NM_000147
fatty acid desaturase 2	NM_004265
coronin, actin binding protein, 1A	NM_007074
RAB26, member RAS oncogene family	NM_014353
solute carrier family 16, member 13 (m	NM_201566
guanylate binding protein 1, interferon	NM_002053
peroxidasin homolog (Drosophila)	NM_012293
serglycin	NM_002727
pyruvate dehydrogenase phosphatase ca	NM_001161778
calmin (calponin-like, transmembrane)	NM_024734
solute carrier family 1 (glial high affinity	NM_004172
RAS-like, estrogen-regulated, growth in	NM_032918
signal transducer and activator of trans	NM_005419
Cbp/p300-interacting transactivator, w	NM_006079
G protein-coupled receptor 110	NM_153840
major histocompatibility complex, clas	NM_002116
sortilin 1	NM_002959
acyl-CoA synthetase short-chain family	NM_018677
solute carrier family 46 (folate transpor	NM_080669
transmembrane protein 205	NM_198536

serpin peptidase inhibitor, clade B (ovalin) NM_006919
 polo-like kinase 2 (Drosophila) NM_006622
 abhydrolase domain containing 6 NM_020676
 sema domain, immunoglobulin domain NM_006379
 plasminogen activator, tissue NM_000930
 chitinase 3-like 1 (cartilage glycoprotein 3) NM_001276
 actin filament associated protein 1 NM_198595
 major histocompatibility complex, class II, DRB1 NM_018950
 GRAM domain containing 2 NM_001012642
 cytochrome P450, family 1, subfamily 1, polypeptide 1 NM_000499
 histone cluster 2, H4a NM_003548
 interleukin 22 receptor, alpha 2 NM_052962
 tripartite motif-containing 22 NM_006074
 FXYD domain containing ion transport regulator 10 NM_021910
 AT rich interactive domain 5B (MRF1-like) NM_032199
 nerve growth factor receptor NM_002507
 tuftelin 1 NM_020127
 leucine rich repeat (in FLII) interacting protein 1 NM_001137550
 bone marrow stromal cell antigen 2 NM_004335
 chromosome 1 open reading frame 210 NM_182517
 solute carrier family 16, member 4 (monocarboxylate transporter) NM_004696
 solute carrier family 2 (facilitated glucose transporter) NM_145176
 hypothetical gene supported by AK131040 AK131040
 tumor necrosis factor (ligand) superfamily 1 member 1 NM_003811
 serpin peptidase inhibitor, clade B (ovalin) NM_012397
 G protein-coupled receptor 141 NM_181791
 tubby like protein 3 NM_003324
 coxsackievirus and adenovirus receptor NM_001338
 insulin-like growth factor binding protein 3 NM_001552
 SAM domain and HD domain 1 NM_015474
 XIAP associated factor 1 NM_017523
 Rho GTPase activating protein 26 NM_015071
 prickle homolog 1 (Drosophila) NM_153026
 glycerophosphodiester phosphodiesterase 3B NM_024307
 OTU domain, ubiquitin aldehyde binding 1 NM_023112
 ras homolog gene family, member F (in rat) NM_019034
 tensin 3 NM_022748
 proteasome (prosome, macropain) subunit type 1B (beta 5) NM_002800
 cytochrome P450, family 4, subfamily 1, polypeptide 1 NM_178033
 apolipoprotein B mRNA editing enzyme, complex 1 NM_145298
 FAT tumor suppressor homolog 2 (Drosophila) NM_001447
 sparc/osteonectin, cwcv and kazal-like connective tissue protein-like domain containing 1 NM_004598
 2'-5'-oligoadenylate synthetase 3, 100kDa NM_006187
 interferon, alpha-inducible protein 27 NM_001130080
 glutamine-fructose-6-phosphate transaminase 2 NM_005110
 lysosomal-associated membrane protein 1 NM_014398
 deleted in malignant brain tumors 1 NM_007329
 NIPA-like domain containing 4 NM_001099287
 colony stimulating factor 1 (macrophage) NM_000757
 complement component 1, r subcomponent NM_001733
 prostaglandin-endoperoxide synthase 1 NM_000962
 SPARC related modular calcium binding protein 1 NM_001034852

peptidyl arginine deiminase, type II	NM_007365
hect domain and RLD 6	NM_017912
insulin induced gene 1	NM_005542
claudin 1	NM_021101
interferon regulatory factor 1	NM_002198
interferon induced with helicase C dom	NM_022168
kelch domain containing 8B	NM_173546
lipocalin 2	NM_005564
CD14 molecule	NM_000591
homeobox A5	NM_019102
H1 histone family, member 0	NM_005318
retinoic acid receptor responder (tazarc	NM_004585
interleukin 7 receptor	NM_002185
podocalyxin-like	NM_001018111
solute carrier family 4, sodium borate t	NM_032034
transmembrane 7 superfamily member	NM_003273
interferon-induced protein 44	NM_006417
DEAD (Asp-Glu-Ala-Asp) box polypeptid	NM_017631
interferon regulatory factor 9	NM_006084
transmembrane channel-like 4	NM_001145303
F-box protein 32	NM_058229
acyl-CoA synthetase long-chain family n	NM_016234
chemokine (C-X-C motif) ligand 11	NM_005409
HLA complex P5	NM_006674
ubiquitin-like modifier activating enzym	NM_003335
hect domain and RLD 5	NM_016323
coagulation factor II (thrombin) recept	NM_001992
growth differentiation factor 15	NM_004864
G protein-coupled receptor 56	NM_201524
solute carrier family 6 (amino acid trans	NM_007231
interferon-induced protein 35	NM_005533
DEAD (Asp-Glu-Ala-Asp) box polypeptid	NM_014314
selenium binding protein 1	NM_003944
poly (ADP-ribose) polymerase family, m	NM_031458
transglutaminase 2 (C polypeptide, pro	NM_004613
clusterin	NM_001831
cytochrome P450, family 1, subfamily E	NM_000104
leucine-rich repeats and immunoglobul	NM_015541
ATPase, aminophospholipid transporte	NM_006095
calbindin 2	NM_001740
cholinergic receptor, nicotinic, beta 1 (	NM_000747
E74-like factor 3 (ets domain transcripti	NM_001114309
complement factor B	NM_001710
peptidyl arginine deiminase, type III	NM_016233
chemokine (C-C motif) ligand 5	NM_002985
interferon-induced protein 44-like	NM_006820
cytochrome P450, family 26, subfamily	NM_019885
sterile alpha motif domain containing 9	NM_152703
2',5'-oligoadenylate synthetase 1, 40/4	NM_016816
interferon induced transmembrane pro	NM_003641
carboxypeptidase A4	NM_016352
tumor necrosis factor (ligand) superfam	NM_003810

tumor necrosis factor, alpha-induced p1 NM_006291
interferon-induced protein with tetratr NM_001547
2'-5'-oligoadenylate synthetase-like NM_003733
interferon-induced protein with tetratr NM_001031683
oxidized low density lipoprotein (lectin NM_002543
chemokine (C-X-C motif) ligand 10 NM_001565
radical S-adenosyl methionine domain NM_080657
aquaporin 3 (Gill blood group) NM_004925
2'-5'-oligoadenylate synthetase 2, 69/7: NM_002535
cytochrome P450, family 24, subfamily NM_000782
interferon-induced protein with tetratr NM_001548

Affyprobeset	logFC	AveExpr	t	P.Value	adj.P.Val	B	chrom
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7930760	3.03941	6.92827	19.45659	2.30E-12	5.08E-10	18.73388	chr10
7971150	2.783394	8.185145	25.84697	3.10E-14	1.93E-11	22.96624	chr13
8176234	2.56775	6.70215	22.41051	2.72E-13	1.04E-10	20.85272	chrX
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8015366	2.364188	8.974587	17.11455	1.56E-11	2.30E-09	16.80287	chr17
8135069	2.271072	9.951843	41.85957	1.86E-17	6.15E-14	29.6903	chr7
8065071	2.250517	6.912629	26.1596	2.58E-14	1.71E-11	23.14268	chr20
8041383	2.219418	9.098152	22.454	2.64E-13	1.03E-10	20.88165	chr2
7944082	2.173692	7.261786	18.01006	7.31E-12	1.29E-09	17.57092	chr11
7965410	2.122587	5.078618	11.07684	8.45E-09	4.02E-07	10.34982	chr12
8109194	2.0317	8.83712	28.50002	6.95E-15	5.64E-12	24.39066	chr5
8153002	2.006203	9.229818	20.69967	9.05E-13	2.38E-10	19.66431	chr8
8059580	1.908826	8.318168	38.87207	5.84E-17	1.16E-13	28.71769	chr2
7997491	1.889973	6.628695	17.99232	7.42E-12	1.29E-09	17.55607	chr16
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7905553	1.709859	7.929826	14.34627	2.10E-10	1.79E-08	14.15499	chr1
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8054872	1.606684	9.421506	11.33262	6.14E-09	3.13E-07	10.6799	chr2
8083494	1.580533	6.565887	13.12512	7.62E-10	5.35E-08	12.83209	chr3
8021635	1.56882	7.037106	9.17593	1.10E-07	3.37E-06	7.688815	chr18
7990952	1.550929	7.514916	4.94963	0.000156	0.001395	0.193098	chr15
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8142270	1.478296	6.010971	16.51673	2.65E-11	3.49E-09	16.26775	chr7
8150698	1.454382	11.33301	25.52359	3.76E-14	2.14E-11	22.78116	chr8
8004784	1.438567	8.598252	11.1869	7.36E-09	3.59E-07	10.4926	chr17
8056257	1.420484	5.586128	9.334215	8.77E-08	2.81E-06	7.925413	chr2
8062927	1.406158	9.142226	12.65571	1.28E-09	8.32E-08	12.29417	chr20
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7928695	1.379472	7.69591	18.84475	3.71E-12	7.54E-10	18.25308	chr10
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7963406	1.345424	10.38448	13.66822	4.25E-10	3.21E-08	13.4336	chr12
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8023575	1.288358	6.628152	14.07158	2.78E-10	2.26E-08	13.86657	chr18
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7931081	1.138219	9.274433	15.09554	9.98E-11	9.98E-09	14.91653	chr10
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7933509	1.126023	7.648385	9.888357	4.03E-08	1.46E-06	8.731329	chr10
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7908409	1.123785	7.935798	5.969145	2.18E-05	0.000271	2.213158	chr1
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7982597	1.090024	11.43763	15.04812	1.05E-10	1.03E-08	14.86938	chr15
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8026579	-1.062	7.013069	-15.3287	7.97E-11	8.43E-09	15.1463	chr19
8111739	-1.06298	7.145678	-9.50134	6.91E-08	2.29E-06	8.172106	chr5
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8050102	-1.0734	8.048978	-15.821	5.01E-11	5.75E-09	15.62076	chr2
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8055702	-1.07676	8.172727	-10.0795	3.11E-08	1.18E-06	9.001415	chr2
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8053648	-1.08358	8.120483	-5.00642	0.000139	0.00127	0.308642	chr2
8164535	-1.0908	7.175253	-11.0154	9.13E-09	4.24E-07	10.26957	chr9
7983650	-1.09206	9.618208	-13.3765	5.80E-10	4.22E-08	13.11325	chr15
8129861	-1.09263	9.778463	-8.15179	5.17E-07	1.20E-05	6.085285	chr6
7941961	-1.09357	8.820723	-11.3449	6.05E-09	3.09E-07	10.6956	chr11
7976560	-1.09414	8.151615	-14.4363	1.92E-10	1.69E-08	14.24843	chr14
8169504	-1.09468	6.402955	-10.036	3.29E-08	1.24E-06	8.940415	chrX
7948274	-1.09816	9.267354	-12.7683	1.13E-09	7.48E-08	12.42475	chr11
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7953341	-1.1033	8.267448	-14.4404	1.91E-10	1.69E-08	14.2527	chr12
8085431	-1.11098	8.276315	-10.5846	1.59E-08	6.89E-07	9.696828	chr3
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8057744	-1.11894	11.22553	-16.0352	4.11E-11	4.95E-09	15.82288	chr2
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7903188	-1.12898	7.495006	-9.70858	5.17E-08	1.79E-06	8.473622	chr1
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8025601	-1.15509	8.971274	-18.7072	4.14E-12	8.32E-10	18.1428	chr19
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8034210	-1.17957	10.04103	-19.7708	1.81E-12	4.28E-10	18.9748	chr19
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7918323	-1.27511	9.265853	-14.5732	1.67E-10	1.52E-08	14.38945	chr1
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7915500	-1.29458	6.835063	-12.2107	2.14E-09	1.30E-07	11.76796	chr1
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8165703	-1.29623	7.951672	-5.77069	3.16E-05	0.000373	1.829641	chrM
7912937	-1.30356	6.134329	-11.3187	6.24E-09	3.18E-07	10.66204	chr1
7913694	-1.30936	9.015707	-17.9834	7.48E-12	1.29E-09	17.54857	chr1
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7958262	-1.41811	7.597753	-13.4587	5.31E-10	3.92E-08	13.20407	chr12
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7943160	-1.45415	6.701101	-5.98651	2.11E-05	0.000266	2.246472	chr11
7958895	-1.45438	9.234291	-13.758	3.86E-10	2.96E-08	13.53094	chr12
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8132347	-1.53832	7.44373	-15.3938	7.49E-11	8.14E-09	15.2099	chr7
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7941148	-1.74252	7.370589	-21.8635	3.96E-13	1.31E-10	20.48364	chr11
7918426	-1.75179	7.849483	-16.719	2.21E-11	2.99E-09	16.4509	chr1
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7996081	-1.89261	8.777688	-17.575	1.05E-11	1.69E-09	17.20267	chr16
7973618	-1.92728	9.722014	-19.0447	3.17E-12	6.74E-10	18.41197	chr14
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8004184	-1.98579	7.122284	-16.3083	3.20E-11	4.11E-09	16.07677	chr17
8158167	-1.98714	8.012954	-23.4505	1.37E-13	6.04E-11	21.52824	chr9
7997139	-1.99243	6.455347	-19.511	2.20E-12	4.98E-10	18.77588	chr16
8023696	-1.99254	7.761793	-13.7443	3.92E-10	3.00E-08	13.51619	chr18
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8100026	-2.01078	6.596712	-22.8482	2.03E-13	8.40E-11	21.14114	chr4
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7927964	-2.13636	7.589865	-12.902	9.75E-10	6.62E-08	12.5786	chr10
8118111	-2.16466	10.12601	-22.6833	2.26E-13	9.19E-11	21.03317	chr6
8051583	-2.1859	9.699769	-16.0022	4.23E-11	5.03E-09	15.79186	chr2
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8160559	-2.21478	10.37023	-25.6781	3.43E-14	2.00E-11	22.8699	chr9
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8101131	-2.58315	7.907529	-12.3963	1.73E-09	1.08E-07	11.98939	chr4
7958884	-2.60803	10.8873	-43.0633	1.20E-17	5.53E-14	30.05523	chr12
7902541	-2.7555	11.15163	-18.07	6.96E-12	1.26E-09	17.62092	chr1
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7937335	-2.7832	12.06271	-61.8969	4.29E-20	8.53E-16	34.2866	chr11
8136200	-2.81218	7.191467	-24.2068	8.43E-14	3.99E-11	21.99917	chr7
7977046	-2.95787	8.768185	-27.6479	1.11E-14	7.86E-12	23.95061	chr14
8160670	-3.15925	8.405114	-42.6487	1.39E-17	5.53E-14	29.93119	chr9

7929047	-3.21704	8.170397	-39.3328	4.86E-17	1.16E-13	28.87429	chr10
7967117	-3.21774	8.850352	-32.6739	8.51E-16	9.96E-13	26.33913	chr12
8092169	-3.39179	9.191239	-16.3651	3.04E-11	3.95E-09	16.12904	chr3
8067140	-3.42837	6.929765	-34.0924	4.42E-16	6.77E-13	26.93234	chr20
7929052	-3.45905	8.599761	-24.7204	6.12E-14	3.05E-11	22.3097	chr10
7961142	-3.5366	7.198477	-24.7168	6.14E-14	3.05E-11	22.30758	chr12
8040080	-3.7313	8.497498	-39.8043	4.05E-17	1.15E-13	29.03194	chr2
7958913	-3.75251	9.967077	-32.2764	1.03E-15	1.14E-12	26.1671	chr12
8101126	-3.87547	8.61477	-19.4734	2.27E-12	5.07E-10	18.7469	chr4
7929065	-4.93779	9.643548	-25.1385	4.74E-14	2.55E-11	22.55726	chr10

start	end	strand	geneID	genename	geneDescr	mRNAid
23194040	23228200	+	NM_00103	SCNN1G	sodium channel, nonvoltage-gate	NM_00103
15133970	15268754	+	NM_00103	INSC	inscuteable homolog (Drosophila	NM_00103
1.18E+08	1.18E+08	+	NM_00101	PNLIPRP3	pancreatic lipase-related protein	NM_00101
39917029	40177356	-	NM_00578	LHFP	lipoma HMGIC fusion partner	NM_00578
1.55E+08	1.55E+08	-	NM_00128	CLIC2	chloride intracellular channel 2	NM_00128
95078714	95090397	+	NM_00108	SERPINA3	serpin peptidase inhibitor, clade	NM_00108
0	0	---	---	NA	NA	NM_05403
8429011	8439257	+	NM_13931	ANGPTL4	angiopoietin-like 4	NM_13931
39738531	39743173	-	NM_00052	KRT14	keratin 14	NM_00052
1.01E+08	1.01E+08	+	NM_00060	SERPINE1	serpin peptidase inhibitor, clade	NM_00060
14303634	14318270	-	NM_19839	FLRT3	fibronectin leucine rich transmen	NM_19839
33172392	33624576	+	NM_20694	LTBP1	latent transforming growth factor	NM_20694
1.17E+08	1.17E+08	+	NM_00100	TAGLN	transgelin	NM_00100
91539035	91576806	-	NM_00192	DCN	decorin	NM_00192
1.49E+08	1.49E+08	+	NM_00011	SLC26A2	solute carrier family 26 (sulfate tr	NM_00011
1.34E+08	1.34E+08	-	NM_00113	NDRG1	N-myc downstream regulated 1	NM_00113
2.3E+08	2.31E+08	-	NM_13907	DNER	delta/notch-like EGF repeat conta	NM_13907
82068863	82132137	+	NM_00215	HSD17B2	hydroxysteroid (17-beta) dehydr	NM_00215
1290619	1309826	-	NM_08048	SDCBP2	syndecan binding protein (synten	NM_08048
2.16E+08	2.16E+08	-	NM_21248	FN1	fibronectin 1	NM_21248
2.42E+08	2.43E+08	-	NM_15266	PLD5	phospholipase D family, member	NM_15266
8819340	8824583	+	NM_00216	ID2	inhibitor of DNA binding 2, domi	NM_00216
1.53E+08	1.53E+08	+	NM_00312	SPRR1B	small proline-rich protein 1B (cor	NM_00312
37006495	37017008	+	NM_00391	CCNA1	cyclin A1	NM_00391
1.49E+08	1.49E+08	+	NM_01494	ABLIM3	actin binding LIM protein family,	NM_01494
2.01E+08	2.02E+08	+	NM_00115	AOX1	aldehyde oxidase 1	NM_00115
1.22E+08	1.22E+08	-	NM_01455	TFCP2L1	transcription factor CP2-like 1	NM_01455
1.55E+08	1.55E+08	+	NM_00728	MME	membrane metallo-endopeptidas	NM_00728
61554939	61571122	+	NM_00114	SERPINB2	serpin peptidase inhibitor, clade	NM_00114
83140664	83182901	-	NR_02681	LOC80154	hypothetical LOC80154	NR_02681
31477305	31500610	+	NM_13426	SMTN	smoothelin	NM_13426
1.08E+08	1.08E+08	-	NM_00103	NRCAM	neuronal cell adhesion molecule	NM_00103
49830236	49833991	-	NM_00306	SNAI2	snail homolog 2 (Drosophila)	NM_00306
7942358	7952616	+	NM_00114	ALOX15B	arachidonate 15-lipoxygenase, ty	NM_00114
1.63E+08	1.63E+08	-	NM_00446	FAP	fibroblast activation protein, alp	NM_00446
43803498	43805185	+	NM_00263	PI3	peptidase inhibitor 3, skin-deri	NM_00263
1.72E+08	1.72E+08	-	NM_00441	DUSP1	dual specificity phosphatase 1	NM_00441
29653757	29937692	-	NM_17586	TMTC1	transmembrane and tetratricope	NM_17586
1.19E+08	1.19E+08	+	NR_00313	CEP170L	centrosomal protein 170kDa-like	NR_00313
2.01E+08	2.01E+08	+	NM_20345	CAMSAP1L1	calmodulin regulated spectrin-as	NM_20345
82167585	82192753	+	NM_03233	C10orf58	chromosome 10 open reading fra	NM_03233
29598445	29653154	+	NM_01783	RNF125	ring finger protein 125	NM_01783
1.05E+08	1.05E+08	-	NM_00103	ALDH1L2	aldehyde dehydrogenase 1 family,	NM_00103
52840435	52845910	-	NM_00555	KRT6B	keratin 6B	NM_00555
29920609	29940659	-	NM_01612	TMEM66	transmembrane protein 66	NM_01612
1.11E+08	1.11E+08	-	NM_00543	MALL	mal, T-cell differentiation protein	NM_00543
8043790	8055702	-	NM_00261	PER1	period homolog 1 (Drosophila)	NM_00261
57101144	57364600	-	NM_13345	CCBE1	collagen and calcium binding EGF	NM_13345
78225197	78606790	+	NM_01490	NAV3	neuron navigator 3	NM_01490
2.43E+08	2.43E+08	-	NM_01481	CEP170	centrosomal protein 170kDa	NM_01481
52880958	52887022	-	NM_00555	KRT6A	keratin 6A	NM_00555

19007427	19140755	-	NM_00107	GPR64	G protein-coupled receptor 64	NM_00107
67511604	67597649	+	NM_18152	PIK3R1	phosphoinositide-3-kinase, regulator	NM_18152
16023181	16045676	-	NM_02118	CYP4F11	cytochrome P450, family 4, subfamily	NM_02118
43407818	43663560	-	NM_01807	ANO10	anoctamin 10	NM_01807
2.22E+08	2.22E+08	-	NM_00720	DUSP10	dual specificity phosphatase 10	NM_00720
95066850	95132071	+	NM_01489	RHOBTB3	Rho-related BTB domain containing	NM_01489
28966271	28972120	+	NM_01234	BAMBI	BMP and activin membrane-bound	NM_01234
2.38E+08	2.38E+08	+	NM_19818	COPS8	COP9 constitutive photomorphogen	NM_19818
39628664	39673748	+	NM_00224	KCNJ15	potassium inwardly-rectifying chan	NM_00224
95672089	95953683	-	NM_00584	ABCC4	ATP-binding cassette, sub-family C	NM_00584
90098631	90230077	+	NM_03227	LRRC8C	leucine rich repeat containing 8 fa	NM_03227
50270180	50310369	+	NM_01420	AP2A1	adaptor-related protein complex	NM_01420
1.04E+08	1.04E+08	-	NM_00181	CENPE	centromere protein E, 312kDa	NM_00181
13789062	13956831	-	NM_00100	GPM6B	glycoprotein M6B	NM_00100
86159809	86205498	+	NM_00252	NT5E	5'-nucleotidase, ecto (CD73)	NM_00252
676389	683392	+	NM_00586	FSTL3	follicle-stimulating-like 3 (secreted glycopro	NM_00586
1.24E+08	1.24E+08	+	NM_02162	PLEKHA1	pleckstrin homology domain containi	NM_02162
24718320	24732416	-	NM_00035	TGM1	transglutaminase 1 (K polypeptidi	NM_00035
50663414	50747588	-	NM_00012	ERCC6	excision repair cross-complement	NM_00012
17270470	17279592	+	NM_00338	VIM	vimentin	NM_00338
1.93E+08	1.93E+08	+	NM_00292	RGS2	regulator of G-protein signaling 2,	NM_00292
89513647	89629686	+	NM_01460	HERC3	hect domain and RLD 3	NM_01460
38008592	38080696	-	NM_00630	SRPX	sushi-repeat-containing protein,)	NM_00630
31205316	31230667	-	NM_00676	LAPTM5	lysosomal protein transmembran	NM_00676
1.29E+08	1.3E+08	+	NM_17585	CHSY3	chondroitin sulfate synthase 3	NM_17585
1.02E+08	1.02E+08	+	NM_01450	UTP20	UTP20, small subunit (SSU) proce	NM_01450
1.5E+08	1.5E+08	-	NM_13916	RAET1E	retinoic acid early transcript 1E	NM_13916
1.5E+08	1.5E+08	-	NM_00469	LATS1	LATS, large tumor suppressor, hor	NM_00469
39873280	39889668	+	NM_00324	THBS1	thrombospondin 1	NM_00324
99393398	99579727	-	NM_00572	TSPAN5	tetraspanin 5	NM_00572
24463028	24466242	+	NM_00101	PCOTH	prostate collagen triple helix	NM_00101
1.2E+08	1.2E+08	-	NM_00107	CUL4B	cullin 4B	NM_00107
2.21E+08	2.21E+08	+	NM_01865	MARK1	MAP/microtubule affinity-regulat	NM_01865
7293046	7297889	-	NM_02036	PLSCR3	phospholipid scramblase 3	NM_02036
83517735	83621473	-	NM_19933	HOMER2	homer homolog 2 (Drosophila)	NM_19933
54683454	54898583	+	NM_00312	SPTBN1	spectrin, beta, non-erythrocytic 1	NM_00312
6322305	6474326	-	NM_02041	PPP2R2C	protein phosphatase 2, regulator	NM_02041
1.21E+08	1.21E+08	+	NM_00288	RALB	v-ral simian leukemia viral oncoge	NM_00288
1.14E+08	1.14E+08	+	NM_00600	ZBTB16	zinc finger and BTB domain containi	NM_00600
68522088	68609384	-	NM_00187	CPT1A	carnitine palmitoyltransferase 1A	NM_00187
14204450	14252719	+	NM_00604	HS3ST3B1	heparan sulfate (glucosamine) 3-C	NM_00604
79074146	79122332	+	NM_00149	GCNT1	glucosaminyl (N-acetyl) transferas	NM_00149
1.39E+08	1.39E+08	-	NM_02274	HIPK2	homeodomain interacting protei	NM_02274
6055492	6104191	-	NM_01767	FERMT1	fermitin family homolog 1 (Droso	NM_01767
1.09E+08	1.09E+08	+	NM_03222	TMEM164	transmembrane protein 164	NM_03222
1.28E+08	1.28E+08	+	NM_00121	CALU	calumenin	NM_00121
30052821	30066300	-	NM_01794	FKBP14	FK506 binding protein 14, 22 kDa	NM_01794
54094757	54209714	-	NM_01784	FAM120C	family with sequence similarity 1	NM_01784
2.04E+08	2.04E+08	-	NM_19844	GOLT1A	golgi transport 1 homolog A (S. ce	NM_19844
1.6E+08	1.6E+08	-	NM_02456	CCNJL	cyclin J-like	NM_02456
32808494	32812712	-	NM_00415	PSMB8	proteasome (prosome, macropair	NM_00415
1.58E+08	1.58E+08	+	NM_00082	GLRB	glycine receptor, beta	NM_00082

1.12E+08	1.12E+08	-	NM_02490	DENND2D	DENN/MADD domain containing	NM_02490
24577425	24585074	+	NM_01960	SUSD2	sushi domain containing 2	NM_01960
75670882	75677255	+	NM_00265	PLAU	plasminogen activator, urokinase	NM_00265
15005522	15071774	+	NM_18248	CPEB2	cytoplasmic polyadenylation element	NM_18248
1.41E+08	1.41E+08	+	NM_01893	PCDHB14	protocadherin beta 14	NM_01893
69556048	69597937	-	NM_02180	DNAJC12	DnaJ (Hsp40) homolog, subfamily	NM_02180
1.72E+08	1.73E+08	+	NM_15360	C5orf41	chromosome 5 open reading frame	NM_15360
39916569	39918691	+	NM_00167	ATF4	activating transcription factor 4 (	NM_00167
1.24E+08	1.24E+08	+	NM_00200	FGF2	fibroblast growth factor 2 (basic)	NM_00200
27805893	27845963	+	NM_03243	ZNF512	zinc finger protein 512	NM_03243
1.83E+08	1.83E+08	-	NM_01503	NMNAT2	nicotinamide nucleotide adenyl	NM_01503
74976482	75062873	-	NM_00404	ARRB1	arrestin, beta 1	NM_00404
2.07E+08	2.07E+08	+	NM_01400	IKBKE	inhibitor of kappa light polypepti	NM_01400
38599676	38613982	+	NM_00155	IGFBP4	insulin-like growth factor binding	NM_00155
19422057	19510432	+	NM_00110	TMC5	transmembrane channel-like 5	NM_00110
1.57E+08	1.57E+08	+	NM_00109	NIPAL4	NIPA-like domain containing 4	NM_00109
61583749	61634825	+	NM_00426	FADS2	fatty acid desaturase 2	NM_00426
57918627	57918698	+	NR_02949	MIR21	microRNA 21	NR_02949
66129992	66139645	-	NM_00153	SLC29A2	solute carrier family 29 (nucleosic	NM_00153
16771938	16799831	+	NM_02407	TMEM38A	transmembrane protein 38A	NM_02407
39105357	39219675	-	NM_00146	FYB	FYN binding protein	NM_00146
1.45E+08	1.45E+08	+	NM_00647	TXNIP	thioredoxin interacting protein	NM_00647
45143948	45144081	-	NR_00291	SNORA5A	small nucleolar RNA, H/ACA box 5	NR_00291
39669997	39678665	-	NM_00227	KRT15	keratin 15	NM_00227
31142754	31147151	-	NM_00277	PRSS8	protease, serine, 8	NM_00277
11866268	11903201	+	NM_00128	CLCN6	chloride channel 6	NM_00128
43791946	43816955	-	NM_02402	TMPRSS3	transmembrane protease, serine	NM_02402
6980503	7006038	-	NM_20731	CMPK2	cytidine monophosphate (UMP-C	NM_20731
26365398	26378548	+	NM_00704	BTN3A2	butyrophilin, subfamily 3, memb	NM_00704
1.52E+08	1.52E+08	-	NM_00468	NMI	N-myc (and STAT) interactor	NM_00468
33462745	33515765	+	NM_01867	ACSS2	acyl-CoA synthetase short-chain f	NM_01867
76967335	76976061	-	NM_00556	LGALS3BP	lectin, galactoside-binding, solub	NM_00556
88326724	88355282	-	NM_01661	KRCC1	lysine-rich coiled-coil 1	NM_01661
1.32E+08	1.32E+08	-	NM_00075	CRAT	carnitine O-acetyltransferase	NM_00075
50474422	50528581	+	NM_00364	SLC27A2	solute carrier family 27 (fatty acid	NM_00364
1.38E+08	1.38E+08	-	NM_00041	IFNGR1	interferon gamma receptor 1	NM_00041
67777790	67796743	+	NM_00069	ALDH3B1	aldehyde dehydrogenase 3 family,	NM_00069
96671197	96710789	+	NM_00062	BDKRB2	bradykinin receptor B2	NM_00062
1.16E+08	1.16E+08	+	NM_00723	SLC6A14	solute carrier family 6 (amino acid	NM_00723
57319129	57335757	-	NM_00422	UBE2L6	ubiquitin-conjugating enzyme E2	NM_00422
1.2E+08	1.2E+08	+	NM_18324	TMEM37	transmembrane protein 37	NM_18324
1.42E+08	1.42E+08	-	NM_00080	FGF1	fibroblast growth factor 1 (acidic)	NM_00080
6561250	6575615	+	NM_01800	TAPBPL	TAP binding protein-like	NM_01800
13357737	13461809	-	NM_02492	NUP210	nucleoporin 210kDa	NM_02492
42733950	42780869	+	NM_00246	MX2	myxovirus (influenza virus) resista	NM_00246
937540	994285	-	NM_00686	ADAP1	ArfGAP with dual PH domains 1	NM_00686
15260717	15374304	-	NM_03291	RERG	RAS-like, estrogen-regulated, grov	NM_03291
31802645	31807541	+	NM_00104	C6orf48	chromosome 6 open reading frame	NM_00104
1.92E+08	1.92E+08	-	NM_00731	STAT1	signal transducer and activator of	NM_00731
26402481	26415466	+	NM_00114	BTN3A1	butyrophilin, subfamily 3, memb	NM_00114
65405870	65409531	-	NM_00208	GPX2	glutathione peroxidase 2 (gastroir	NM_00208
95657864	95786202	-	NM_02473	CLMN	calmin (calponin-like, transmembr	NM_02473

97187339	97280349	+	NM_02119	PTBP2	polypyrimidine tract binding protein	NM_02119
2.31E+08	2.31E+08	-	NM_08042	SP110	SP110 nuclear body protein	NM_08042
1.58E+08	1.58E+08	-	NM_02016	LXN	latexin	NM_02016
62688439	62703700	+	NM_19872	TCEA2	transcription elongation factor A	NM_19872
40610862	40674597	+	NM_00113	ATP6V0A1	ATPase, H+ transporting, lysosomal	NM_00113
10381764	10397291	+	NM_00020	ICAM1	intercellular adhesion molecule 1	NM_00020
26726049	26733228	-	NM_08066	SLC46A1	solute carrier family 46 (folate transporter)	NM_08066
29910330	29913550	+	NM_00211	HLA-A	major histocompatibility complex class I A chain	NM_00211
1.4E+08	1.4E+08	-	NM_00607	CITED2	Cbp/p300-interacting transcription factor 2	NM_00607
63661059	63856703	+	NM_03219	ARID5B	AT rich interactive domain 5B (MFR1)	NM_03219
7760441	7941586	-	NM_19859	AFAP1	actin filament associated protein 1	NM_19859
7247150	7261793	-	NM_01654	C1RL	complement component 1, r subcomponent	NM_01654
11453452	11462545	-	NM_19853	TMEM205	transmembrane protein 205	NM_19853
6939702	6943281	+	NM_20156	SLC16A13	solute carrier family 16, member 13	NM_20156
1.69E+08	1.69E+08	-	NM_00101	DDX60L	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60L	NM_00101
57567234	57571537	+	NM_02112	PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1	NM_02112
1.55E+08	1.55E+08	+	NM_00442	EFNA1	ephrin-A1	NM_00442
91174343	91180758	+	NM_01242	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	NM_01242
27139973	27142394	-	NM_00673	HOXA2	homeobox A2	NM_00673
62461569	62464759	+	NM_00108	C17orf60	chromosome 17 open reading frame 60	NM_00108
75011883	75017877	-	NM_00049	CYP1A1	cytochrome P450, family 1, subfamily 1A, polypeptide 1	NM_00049
15588479	15600693	+	NM_14477	RBM11	RNA binding motif protein 11	NM_14477
42032751	42065194	-	NM_00093	PLAT	plasminogen activator, tissue	NM_00093
71211226	71267425	+	NM_01233	TSPAN15	tetraspanin 15	NM_01233
88718385	88723017	+	NM_00308	SNCG	synuclein, gamma (breast cancer-associated 1)	NM_00308
90895542	90909309	+	NM_00100	ZNF774	zinc finger protein 774	NM_00100
1.51E+08	1.51E+08	-	NM_00144	FAT2	FAT tumor suppressor homolog 2	NM_00144
26440763	26453650	+	NM_00699	BTN3A3	butyrophilin, subfamily 3, member 3	NM_00699
39436673	39451977	+	NM_14529	APOBEC3F	apolipoprotein B mRNA editing enzyme, cytosine deaminase 3F	NM_14529
3728374	3750810	+	NM_01442	TJP3	tight junction protein 3 (zona occludens 3)	NM_01442
18632758	18660164	+	NM_01741	USP18	ubiquitin specific peptidase 18	NM_01741
1.1E+08	1.1E+08	-	NM_00295	SORT1	sortilin 1	NM_00295
36606689	36688436	+	NM_00417	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter)	NM_00417
1.17E+08	1.17E+08	+	NM_00226	KPNA5	karyopherin alpha 5 (importin alpha 5)	NM_00226
94929162	94938296	+	NM_00116	PDP1	pyruvate dehydrogenase phosphatase 1	NM_00116
6585850	6591163	-	NM_00125	CD70	CD70 molecule	NM_00125
44319619	44343448	+	NM_02522	PNPLA3	patatin-like phospholipase domain containing 3	NM_02522
43747548	43751248	-	NM_18251	C1orf210	chromosome 1 open reading frame 210	NM_18251
65270115	65270288	-	BC018448	MALAT1	metastasis associated lung adenocarcinoma transcript 1	BC018448
74735109	74749385	+	NM_00151	CXCL1	chemokine (C-X-C motif) ligand 1	NM_00151
7446	7517	-	AF284753	UIMC1	ubiquitin interaction motif containing 1	AF284753
17393256	17445930	-	NM_00736	PADI2	peptidyl arginine deiminase, type II	NM_00736
24171567	24194784	-	NM_00014	FUCA1	fucosidase, alpha-L-1, tissue	NM_00014
77385245	77395179	-	NM_01597	TAF9B	TAF9B RNA polymerase II, TATA box binding protein associated factor	NM_01597
56735381	56753909	-	NM_00541	STAT2	signal transducer and activator of transcription 2	NM_00541
1.51E+08	1.51E+08	-	NM_00496	GABRE	gamma-aminobutyric acid (GABA) receptor-associated protein 1	NM_00496
42853050	42983478	-	NM_15302	PRICKLE1	prickle homolog 1 (Drosophila)	NM_15302
58223309	58280461	+	NM_02067	ABHD6	abhydrolase domain containing 6	NM_02067
24025231	24028787	+	NM_02432	THTPA	thiamine triphosphatase	NM_02432
20353163	20370848	-	NM_00104	LGALS9B	lectin, galactoside-binding, soluble 9B	NM_00104
80371854	80548667	-	NM_00637	SEMA3C	sema domain, immunoglobulin domain containing 3C	NM_00637
1.11E+08	1.11E+08	-	NM_00477	C5orf13	chromosome 5 open reading frame 13	NM_00477

2198637	2204640	+	NM_01435	RAB26	RAB26, member RAS oncogene family	NM_01435
50069801	50103123	+	NM_00104	PHF11	PHD finger protein 11	NM_00104
49209056	49213919	+	NM_17354	KLHDC8B	kelch domain containing 8B	NM_17354
1.46E+08	1.46E+08	-	NM_02110	PLSCR1	phospholipid scramblase 1	NM_02110
92728831	92747336	-	NM_01765	SAMD9	sterile alpha motif domain containing 9	NM_01765
3000033	3050304	+	NM_00332	TULP3	tubby like protein 3	NM_00332
1.83E+08	1.83E+08	-	NM_01439	LAMP3	lysosomal-associated membrane protein 3	NM_01439
72452148	72490126	-	NM_00101	GRAMD2	GRAM domain containing 2	NM_00101
89518001	89531043	-	NM_00205	GBP1	guanylate binding protein 1, interferon gamma-inducible	NM_00205
1.25E+08	1.25E+08	+	NM_00096	PTGS1	prostaglandin-endoperoxide synthase 1	NM_00096
35520347	35580176	-	NM_01547	SAMHD1	SAM domain and HD domain 1	NM_01547
1.05E+08	1.05E+08	+	AK131040	LOC388022	hypothetical gene supported by A	AK131040
1.07E+08	1.07E+08	+	NM_15277	TCP11L2	t-complex 11 (mouse)-like 2	NM_15277
46967117	47010082	-	NM_15384	GPR110	G protein-coupled receptor 110	NM_15384
57290004	57318576	-	NM_01599	PLLP	plasma membrane proteolipid (pl)	NM_01599
38201114	38203443	+	NM_00531	H1FO	H1 histone family, member 0	NM_00531
47314752	47621691	-	NM_02274	TNS3	tensin 3	NM_02274
2.39E+08	2.39E+08	+	NM_00113	LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	NM_00113
22765503	22771620	+	NM_00060	IL6	interleukin 6 (interferon, beta 2)	NM_00060
70346143	70499083	+	NM_00103	SMOC1	SPARC related modular calcium binding protein 1	NM_00103
61304493	61311502	-	NM_00297	SERPINB4	serpin peptidase inhibitor, clade B member 4	NM_00297
93454963	93455032	+	NR_002566	SCARNA9	small Cajal body-specific RNA 9	NR_002566
1.13E+08	1.13E+08	+	NM_00618	OAS3	2'-5'-oligoadenylate synthetase 3, nuclear	NM_00618
7187513	7245043	-	NM_00173	C1R	complement component 1, r subcomponent	NM_00173
29691237	29694289	+	NM_01895	HLA-F	major histocompatibility complex class I E	NM_01895
1.37E+08	1.37E+08	-	NM_05296	IL22RA2	interleukin 22 receptor, alpha 2	NM_05296
1.52E+08	1.52E+08	+	NM_02012	TUFT1	tuftelin 1	NM_02012
1.42E+08	1.43E+08	+	NM_01507	ARHGAP26	Rho GTPase activating protein 26	NM_01507
18885330	18939294	+	NM_00133	CXADR	coxsackievirus and adenovirus receptor	NM_00133
94492724	94515276	+	NM_02311	OTUB2	OTU domain, ubiquitin aldehyde hydrolase 2	NM_02311
61254600	61266433	+	NM_01239	SERPINB13	serpin peptidase inhibitor, clade B member 13	NM_01239
35606783	35615228	+	NM_02191	FXD3	FXD domain containing ion transporters	NM_02191
1.31E+08	1.31E+08	-	NM_00101	PODXL	podocalyxin-like	NM_00101
17513755	17516457	-	NM_00433	BST2	bone marrow stromal cell antigen 2	NM_00433
37779996	37780913	+	NM_18179	GPR141	G protein-coupled receptor 141	NM_18179
1.34E+08	1.34E+08	-	NM_14517	SLC2A12	solute carrier family 2 (facilitated glucose transporter)	NM_14517
1.55E+08	1.55E+08	+	NM_00554	INSIG1	insulin induced gene 1	NM_00554
1.36E+08	1.37E+08	-	NM_00459	SPOCK1	sparc/osteonectin, cwcv and kazin-like domain containing	NM_00459
57749809	57756087	-	NM_00662	PLK2	polo-like kinase 2 (Drosophila)	NM_00662
1.24E+08	1.24E+08	+	NM_00732	DMBT1	deleted in malignant brain tumor 1	NM_00732
5710919	5732093	+	NM_00607	TRIM22	tripartite motif-containing 22	NM_00607
1.22E+08	1.22E+08	-	NM_01903	RHOF	ras homolog gene family, member 1	NM_01903
1.1E+08	1.1E+08	+	NM_00075	CSF1	colony stimulating factor 1 (macrophage)	NM_00075
6531020	6535933	+	NM_00381	TNFSF9	tumor necrosis factor (ligand) superfamily 9	NM_00381
89299891	89364249	+	NM_01791	HERC6	hect domain and RLD 6	NM_01791
9992	10059	+	L23320	RFC1	replication factor C (activator 1) 1	L23320
32821935	32827628	+	NM_00280	PSMB9	proteasome (prosome, macropain) subunit type 9	NM_00280
1.4E+08	1.4E+08	-	NM_00059	CD14	CD14 molecule	NM_00059
1.5E+08	1.5E+08	-	NM_00354	HIST2H4A	histone cluster 2, H4a	NM_00354
30116131	30124878	-	NM_02430	GDPD3	glycerophosphodiester phosphodiesterase 3	NM_02430
1.9E+08	1.9E+08	-	NM_02110	CLDN1	claudin 1	NM_02110
27180996	27183287	-	NM_01910	HOXA5	homeobox A5	NM_01910

7168017	7178336	+	NM_20144	C1S	complement component 1, s subc	NM_20144
54663846	54676944	-	NM_00114	TMC4	transmembrane channel-like 4	NM_00114
3208063	3219836	-	NM_03203	SLC4A11	solute carrier family 4, sodium bo	NM_03203
94577079	94583033	+	NM_00113	IFI27	interferon, alpha-inducible protei	NM_00113
64879356	64883828	+	NM_00327	TM7SF2	transmembrane 7 superfamily me	NM_00327
1.11E+08	1.11E+08	-	NM_00469	SLC16A4	solute carrier family 16, member	NM_00469
1.32E+08	1.32E+08	-	NM_00219	IRF1	interferon regulatory factor 1	NM_00219
47489240	47516423	+	NM_17803	CYP4X1	cytochrome P450, family 4, subfa	NM_17803
66429144	66551435	-	NM_01554	LRIG1	leucine-rich repeats and immuno	NM_01554
1.14E+08	1.14E+08	+	NM_01623	ACSL5	acyl-CoA synthetase long-chain fa	NM_01623
1.63E+08	1.63E+08	-	NM_02216	IFIH1	interferon induced with helicase	NM_02216
27454434	27472371	-	NM_00183	CLU	clusterin	NM_00183
76011751	76031595	+	NM_00199	F2R	coagulation factor II (thrombin) r	NM_00199
49842638	49851423	-	NM_00333	UBA7	ubiquitin-like modifier activating	NM_00333
1.8E+08	1.8E+08	-	NM_00511	GFPT2	glutamine-fructose-6-phosphate t	NM_00511
17575593	17610728	+	NM_01623	PADI3	peptidyl arginine deiminase, type	NM_01623
57653958	57698944	+	NM_20152	GPR56	G protein-coupled receptor 56	NM_20152
24630422	24636611	+	NM_00608	IRF9	interferon regulatory factor 9	NM_00608
1.69E+08	1.69E+08	-	NM_01763	DDX60	DEAD (Asp-Glu-Ala-Asp) box polyp	NM_01763
7348380	7361026	+	NM_00074	CHRNB1	cholinergic receptor, nicotinic, b	NM_00074
1.51E+08	1.51E+08	-	NM_00394	SELENBP1	selenium binding protein 1	NM_00394
36756863	36793700	-	NM_00461	TGM2	transglutaminase 2 (C polypeptid	NM_00461
6658794	6678966	+	NM_01752	XAF1	XIAP associated factor 1	NM_01752
1.31E+08	1.31E+08	+	NM_00556	LCN2	lipocalin 2	NM_00556
71392620	71424336	+	NM_00174	CALB2	calbindin 2	NM_00174
61322431	61329127	-	NM_00691	SERPINB3	serpin peptidase inhibitor, clade I	NM_00691
18496968	18499987	+	NM_00486	GDF15	growth differentiation factor 15	NM_00486
42410390	42659110	-	NM_00609	ATP8A1	ATPase, aminophospholipid trans	NM_00609
1.25E+08	1.25E+08	-	NM_05822	FBXO32	F-box protein 32	NM_05822
89378268	89427314	+	NM_01632	HERC5	hect domain and RLD 5	NM_01632
35856991	35879705	+	NM_00218	IL7R	interleukin 7 receptor	NM_00218
63304280	63313930	+	NM_00458	RARRES3	retinoic acid receptor responder	NM_00458
41158814	41166473	+	NM_00553	IFI35	interferon-induced protein 35	NM_00553
70847828	70864567	+	NM_00272	SRGN	serglycin	NM_00272
31430959	31433586	+	NM_00667	HCP5	HLA complex P5	NM_00667
38294650	38303292	-	NM_00010	CYP1B1	cytochrome P450, family 1, subfa	NM_00010
31913999	31918422	+	NM_00171	CFB	complement factor B	NM_00171
32455300	32526322	-	NM_01431	DDX58	DEAD (Asp-Glu-Ala-Asp) box polyp	NM_01431
15645441	15683154	-	NM_02066	TMEM27	transmembrane protein 27	NM_02066
72356367	72374963	-	NM_01988	CYP26B1	cytochrome P450, family 26, sub	NM_01988
1.22E+08	1.22E+08	-	NM_03145	PARP9	poly (ADP-ribose) polymerase fam	NM_03145
79115512	79129763	+	NM_00641	IFI44	interferon-induced protein 44	NM_00641
2.02E+08	2.02E+08	+	NM_00111	ELF3	E74-like factor 3 (ets domain tran	NM_00111
34198495	34207377	-	NM_00298	CCL5	chemokine (C-C motif) ligand 5	NM_00298
76954835	76957352	-	NM_00540	CXCL11	chemokine (C-X-C motif) ligand 11	NM_00540
1.13E+08	1.13E+08	+	NM_01681	OAS1	2',5'-oligoadenylate synthetase 1,	NM_01681
79086116	79108484	+	NM_00682	IFI44L	interferon-induced protein 44-lik	NM_00682
92759368	92777680	-	NM_15270	SAMD9L	sterile alpha motif domain contai	NM_15270
313853	315272	+	NM_00364	IFITM1	interferon induced transmembran	NM_00364
1.3E+08	1.3E+08	+	NM_01635	CPA4	carboxypeptidase A4	NM_01635
1.04E+08	1.04E+08	+	NM_00629	TNFAIP2	tumor necrosis factor, alpha-indu	NM_00629
33441152	33447609	-	NM_00492	AQP3	aquaporin 3 (Gill blood group)	NM_00492

91061712	91069033	+	NM_00154	IFIT2	interferon-induced protein with t	NM_00154
1.21E+08	1.21E+08	-	NM_00373	OASL	2'-5'-oligoadenylate synthetase-li	NM_00373
1.72E+08	1.72E+08	-	NM_00381	TNFSF10	tumor necrosis factor (ligand) sup	NM_00381
52769988	52790524	-	NM_00078	CYP24A1	cytochrome P450, family 24, sub	NM_00078
91087651	91100728	+	NM_00103	IFIT3	interferon-induced protein with t	NM_00103
10310900	10324737	-	NM_00254	OLR1	oxidized low density lipoprotein (	NM_00254
7017796	7038370	+	NM_08065	RSAD2	radical S-adenosyl methionine do	NM_08065
1.13E+08	1.13E+08	+	NM_00253	OAS2	2'-5'-oligoadenylate synthetase 2,	NM_00253
76942273	76944650	-	NM_00156	CXCL10	chemokine (C-X-C motif) ligand 10	NM_00156
91152303	91163745	+	NM_00154	IFIT1	interferon-induced protein with t	NM_00154

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GeneName	Description	shNT	shLATS	SHNT + estr	shLATS + es	shLATS vs. es	n-fold shLA
SYTL2	Synaptotagmin-like	0	0.320951	0.276863	-0.77478	-1.05164	0.088788
null	Small nuclear ribos	0	-0.05212	0.268486	-0.31773	-0.58621	0.25929
PIK3C2A	Phosphatidylinosit	0	-0.14736	0.056235	-0.49148	-0.54771	0.283327
SNRPF	Small nuclear ribos	0	0.269843	0.361807	-0.17859	-0.54039	0.288141
FLNB	Filamin-B	0	-0.30722	-0.0816	-0.61207	-0.53047	0.2948
DCAF13	DDB1- and CUL4-as	0	0.004038	0.186242	-0.33345	-0.51969	0.302211
DAZAP1	DAZ-associated prc	0	-0.20434	-0.01346	-0.51185	-0.4984	0.317397
COX7A2L	Cytochrome c oxid	0	0.404399	0.385595	-0.09081	-0.4764	0.333886
BCL2L2	Isoform 3 of Bcl-2-l	0	-0.03989	0.108689	-0.35984	-0.46853	0.339994
HRNR	Hornerin	0	0.065431	0.074246	-0.38528	-0.45953	0.347114
EEF1G	Elongation factor 1	0	-0.26527	-0.00936	-0.45972	-0.45036	0.354522
SERPINH1	Serpin H1	0	-0.26858	-0.01262	-0.45715	-0.44453	0.359314
RAD50	DNA repair protein	0	0.016959	0.063154	-0.36477	-0.42792	0.373317
RPL4	60S ribosomal proi	0	-0.10928	0.013766	-0.41367	-0.42744	0.373735
LYAR	Cell growth-regula	0	-0.15293	0.006391	-0.41559	-0.42198	0.37846
SFRS2	Serine/arginine-ric	0	-0.27081	0.028437	-0.38678	-0.41522	0.384396
ZC3H11A	Zinc finger CCCH do	0	-0.00599	0.21545	-0.19786	-0.41331	0.386095
RPS7	40S ribosomal proi	0	-0.38707	0.005215	-0.40515	-0.41037	0.388714
EDC4	Enhancer of mRNA-	0	-0.00775	0.017569	-0.39215	-0.40972	0.389297
RPS5	40S ribosomal proi	0	-0.28901	0.023661	-0.38075	-0.40441	0.394081
COL17A1	Collagen alpha-1(X	0	0.056921	0.04274	-0.35677	-0.39951	0.398554
DDX39B	HCG2005638	0	-0.14318	0.021376	-0.37608	-0.39746	0.400447
ANXA7	Annexin	0	-0.12777	0.020068	-0.3709	-0.39097	0.406469
FAM195A	Protein FAM195A	0	-0.05202	0.182128	-0.19216	-0.37429	0.422385
EEF1A1	Elongation factor 1	0	-0.32827	-0.1072	-0.48075	-0.37355	0.423105
MRPS23	28S ribosomal proi	0	0.097633	0.155445	-0.21259	-0.36804	0.428511
AOX1	Aldehyde oxidase	0	0.10631	0.30247	-0.06171	-0.36418	0.432332
POR	NADPH--cytochron	0	0.375591	0.288381	-0.07564	-0.36402	0.432498
ATP5I	ATP synthase subur	0	-0.10478	0.109158	-0.24822	-0.35738	0.439162
EIF2A	Eukaryotic translat	0	0.00736	0.215707	-0.13613	-0.35184	0.4448
SEPHS2	Selenide	0	0.037527	0.179549	-0.16226	-0.34181	0.455189
RAB1A	Ras-related proteir	0	-0.44383	-0.12865	-0.46998	-0.34133	0.455688
MRPS6	28S ribosomal proi	0	0.030133	0.163349	-0.17425	-0.3376	0.459622
AHCTF1	Protein ELYS	0	0.062045	0.091506	-0.23866	-0.33017	0.467557
PCBD1	Pterin-4-alpha-carl	0	0.210217	0.215517	-0.11259	-0.32811	0.469777
DNAH2	Dynein heavy chair	0	-0.00098	0.08858	-0.23861	-0.32719	0.470767
FXR1	Fragile X mental re	0	-0.10219	0.060299	-0.26684	-0.32714	0.470826
GBP2	Interferon-inducec	0	-0.01656	-0.08353	-0.40576	-0.32223	0.476178
H2AFX	Histone H2AX	0	0.140205	0.168879	-0.14771	-0.31659	0.482402
MED12L	Mediator of RNA pc	0	0.185207	0.127295	-0.18618	-0.31348	0.48587
RPL24	60S ribosomal proi	0	-0.2636	0.039965	-0.26886	-0.30882	0.491107
LSM4	U6 snRNA-associat	0	0.038861	0.102346	-0.19717	-0.29951	0.501752
RPLP2	60S acidic ribosom	0	0.178371	0.27298	-0.02599	-0.29897	0.502377
YLPM1	YLP motif-containi	0	-0.22632	-0.07628	-0.36983	-0.29355	0.508692
MRPL40	39S ribosomal proi	0	-0.62126	-0.21411	-0.50454	-0.29043	0.512349
HNRNPF	Heterogeneous nuc	0	-0.30516	-0.03778	-0.32623	-0.28845	0.514691
SPIDR	Protein SPIDR	0	0.005205	-0.02066	-0.30676	-0.2861	0.517489
INCA1	Protein INCA1	0	-0.10392	-0.00962	-0.29017	-0.28055	0.524149
MRPL54	39S ribosomal proi	0	-0.0713	0.061197	-0.21817	-0.27937	0.525568
HIST1H4A	Histone H4	0	-0.11955	0.096669	-0.18172	-0.27839	0.526752
RPS15A	40S ribosomal proi	0	0.02252	0.082316	-0.19567	-0.27798	0.527253

SRP9	Signal recognition	0	0.071477	-0.01693	-0.29162	-0.27469	0.531261
ACIN1	Apoptotic chroma	0	-0.18146	0.008578	-0.26266	-0.27124	0.535504
EEF1D	Elongation factor 1	0	-0.29916	-0.03315	-0.30299	-0.26984	0.537228
GUCY2F	Retinal guanylyl cy	0	0.044119	0.015215	-0.25445	-0.26967	0.53744
DYNLL1	Dynein light chain	0	0.04735	0.098316	-0.16398	-0.2623	0.546639
HBA1	Hemoglobin subur	0	0.050522	0.139577	-0.1216	-0.26118	0.548053
null	Ig kappa chain V-I r	0	-0.19946	0.006485	-0.2512	-0.25768	0.552482
IQGAP1	Ras GTPase-activati	0	-0.0237	-0.03981	-0.29586	-0.25605	0.554559
DDX24	ATP-dependent RN	0	-0.13352	0.051879	-0.20183	-0.25371	0.557562
AHNAK	Neuroblast differer	0	-0.00379	0.006998	-0.2467	-0.2537	0.557567
SRRM2	Serine/arginine rep	0	0.035943	0.167629	-0.0848	-0.25243	0.559202
NKRF	NF-kappa-B-repress	0	-0.21123	-0.01738	-0.26981	-0.25243	0.559203
SSPO	SCO-spondin	0	0.118879	0.029597	-0.22133	-0.25093	0.561141
GTF2I	General transcripti	0	-0.09715	0.193964	-0.05556	-0.24953	0.562956
HSPA5	78 kDa glucose-reg	0	-0.12549	0.04104	-0.20841	-0.24945	0.563053
ZFX	Isoform 2 of Zinc fi	0	0.160047	0.106876	-0.14219	-0.24907	0.563549
EIF4B	Eukaryotic translat	0	0.031561	0.13757	-0.10877	-0.24634	0.567099
MAGEC3	Melanoma-associa	0	-0.18096	0.016432	-0.22763	-0.24407	0.570077
CDKN2AIP	CDKN2AIP N-termi	0	0.263809	0.195873	-0.04654	-0.24241	0.572256
FABP5	Fatty acid-binding	0	0.084681	0.14119	-0.10002	-0.24121	0.573835
UTP20	Small subunit proc	0	0.026587	0.144473	-0.09585	-0.24032	0.575017
CARS	Isoform 3 of Cysteil	0	-0.099	0.015867	-0.22171	-0.23758	0.578658
TCEB2	Transcription elonq	0	0.025911	0.11276	-0.12245	-0.23521	0.581816
COPA	Coatomer subunit	0	-0.08774	-0.0057	-0.24021	-0.23451	0.582755
SND1	Staphylococcal nu	0	-0.06832	0.089841	-0.14086	-0.2307	0.5879
VARS	Valine-tRNA ligase	0	-0.11762	-0.00538	-0.2331	-0.22772	0.591943
YBX1	Nuclease-sensitive	0	0.00672	0.035488	-0.19146	-0.22694	0.593003
SNRPE	Small nuclear ribor	0	-0.06482	-0.01636	-0.24018	-0.22382	0.597285
SOGA1	C-terminal 80 kDa i	0	0.115963	0.083039	-0.13971	-0.22275	0.598759
MRPL50	39S ribosomal pro	0	-0.07209	0.065838	-0.15656	-0.22239	0.599247
VAPB	Vesicle-associated i	0	-6.1E-05	0.036142	-0.18217	-0.21831	0.604904
MEPCE	7SK snRNA methylq	0	0.004994	0.034151	-0.18242	-0.21657	0.607335
CTTN	Src substrate corta	0	-0.10976	-0.00627	-0.22218	-0.21591	0.608257
SNRPD1	Small nuclear ribor	0	0.029105	0.161956	-0.05242	-0.21438	0.610413
SRRM1	Serine/arginine rep	0	-0.07365	-0.05813	-0.26968	-0.21156	0.614387
SLC7A5	Large neutral amin	0	-0.03907	0.132438	-0.07683	-0.20927	0.617638
SNRPD2	Small nuclear ribor	0	-0.02164	0.089738	-0.11585	-0.20559	0.622889
RPL31	60S ribosomal pro	0	0.103492	0.184465	-0.02074	-0.20521	0.623436
KARS	Lysine-tRNA ligase	0	0.0704	0.166972	-0.03814	-0.20511	0.623576
SF1	Steroidogenic factr	0	-0.18703	0.068282	-0.13622	-0.2045	0.624457
FUBP1	Isoform 2 of Far up	0	0.009719	0.098706	-0.10402	-0.20272	0.627011
SYNE1	Nesprin-1	0	-0.04089	0.103448	-0.09691	-0.20036	0.630438
EEF1A2	Elongation factor 1	0	-0.15411	-0.05981	-0.2597	-0.19989	0.631122
RPL38	60S ribosomal pro	0	-0.01535	0.075941	-0.1189	-0.19484	0.6385
RGAG1	Retrotransposon g	0	-0.02614	0.069646	-0.1244	-0.19405	0.639667
NSD1	Histone-lysine N-m	0	0.005459	-0.00546	-0.19914	-0.19369	0.640198
AHNAK2	Protein AHNAK2	0	-0.03609	0.208255	0.014603	-0.19365	0.640248
C8orf33	UPF0488 protein C	0	0.033523	0.027237	-0.16361	-0.19085	0.644396
PYGB	Glycogen phospho	0	0.215034	0.312877	0.122144	-0.19073	0.644566
COL6A3	Collagen alpha-3(V	0	0.038717	0.075121	-0.11497	-0.19009	0.645522
TIA1	Nucleolysin TIA-1 i	0	-0.11444	0.037638	-0.15209	-0.18973	0.646053
EWSR1	RNA-binding prote	0	-0.35921	-0.10769	-0.29495	-0.18726	0.649745

LMNB1	Lamin-B1	0	-0.01119	-0.05524	-0.242	-0.18676	0.65049
PRPF3	U4/U6 small nucle	0	-0.08347	0.013581	-0.17255	-0.18613	0.65143
UBE2N	Ubiquitin-conjuga	0	0.108658	0.173256	-0.01195	-0.18521	0.652822
RPL35A	60S ribosomal pro	0	0.019183	0.033675	-0.15095	-0.18463	0.653692
POLR2L	DNA-directed RNA	0	-0.14882	-0.02024	-0.20245	-0.18222	0.65733
THUMPD3	THUMP domain-co	0	-0.02665	0.062836	-0.11916	-0.182	0.657663
FRMPD3	FERM and PDZ dom	0	-0.01329	0.067969	-0.11382	-0.18179	0.657972
CALML5	Calmodulin-like pr	0	0.025173	0.03671	-0.1444	-0.18111	0.659
ERH	Enhancer of rudim	0	0.037811	-0.05624	-0.23435	-0.17811	0.66358
CHD3	Chromodomain-he	0	-0.07284	0.022015	-0.15452	-0.17654	0.665985
SCRIB	Protein scribble hc	0	0.047272	0.104679	-0.07185	-0.17653	0.665994
OGT	UDP-N-acetylgluco	0	0.154694	0.073659	-0.10185	-0.17551	0.667555
DNAH3	Dynein heavy chair	0	-0.06985	-0.01805	-0.19263	-0.17458	0.668984
HJURP	Holliday junction r	0	-0.18676	-0.01199	-0.18597	-0.17399	0.669907
TOP3B	DNA topoisomeras	0	0.040067	0.230266	0.057471	-0.17279	0.671747
DYNC1H1	Cytoplasmic dynei	0	0.149271	-0.07255	-0.24482	-0.17227	0.672554
HSPE1	10 kDa heat shock	0	0.286591	0.167421	-0.00383	-0.17125	0.674137
RBM22	Pre-mRNA-splicing	0	-0.00873	0.008504	-0.16219	-0.1707	0.674998
SEC61B	Protein transport	0	0.1897	0.123527	-0.04694	-0.17047	0.675351
ALS2CR11	Amyotrophic later	0	0.012008	0.008595	-0.15972	-0.16831	0.678713
SBSN	Suprabasin	0	0.005017	0.060709	-0.10739	-0.1681	0.679047
PREX1	Phosphatidylinosit	0	-0.10485	0.062605	-0.10479	-0.16739	0.680153
DYNLL2	Dynein light chain	0	0.11183	0.140289	-0.02704	-0.16733	0.680251
DHX57	Putative ATP-deper	0	-0.18628	0.007286	-0.1593	-0.16659	0.681415
RPS20	40S ribosomal pro	0	0.014988	0.082034	-0.0845	-0.16653	0.681501
TAF15	TATA-binding prote	0	-0.03223	0.043118	-0.12299	-0.1661	0.682177
RUVBL2	RuvB-like 2	0	-0.0741	-0.02314	-0.18749	-0.16434	0.684948
SNED1	Sushi	0	0.193405	0.142491	-0.02158	-0.16407	0.685378
MTERFD1	mTERF domain-cor	0	-0.09724	0.032103	-0.13142	-0.16353	0.686238
GRWD1	Glutamate-rich WI	0	0.008285	-0.00016	-0.16115	-0.16099	0.690263
YTHDF3	YTH domain family	0	-0.01253	0.016515	-0.1434	-0.15991	0.691972
LARS	Leucine-tRNA liga	0	0.030358	0.090544	-0.06627	-0.15681	0.696927
RPS28	40S ribosomal pro	0	0.099938	0.155275	-0.00056	-0.15584	0.698492
TXN	Thioredoxin	0	0.002741	0.045356	-0.11016	-0.15552	0.699012
NGRN	Neugrin	0	0.12101	0.077163	-0.07776	-0.15493	0.699958
EIF3E	Eukaryotic translat	0	0.073753	0.081361	-0.07299	-0.15435	0.700894
WDFY3	WD repeat and FYV	0	0.069212	0.124626	-0.0283	-0.15293	0.703192
AURKAIP1	Aurora kinase A-int	0	0.099209	0.166229	0.015168	-0.15106	0.706218
RANBP6	Ran-binding protei	0	0.012358	0.057903	-0.09296	-0.15086	0.706538
UPF1	Isoform 2 of Regul	0	0.076622	0.18874	0.037876	-0.15086	0.706539
ANKRD52	Serine/threonine-p	0	0.130335	0.040411	-0.10983	-0.15024	0.707551
CPSF7	Cleavage and polya	0	0.124608	-0.05125	-0.20129	-0.15004	0.707885
RPS10	40S ribosomal pro	0	0.002584	0.077349	-0.07172	-0.14907	0.709464
HNRNPM	Heterogeneous nuc	0	0.038637	0.036272	-0.11254	-0.14882	0.709878
BRWD3	Bromodomain and	0	0.018159	0.058755	-0.08918	-0.14794	0.711319
RPLP1	60S acidic ribosom	0	0.125074	-0.03448	-0.18122	-0.14674	0.713283
NAT10	N-acetyltransferase	0	-0.14477	0.000964	-0.14571	-0.14667	0.713389
RPL23	60S ribosomal pro	0	0.018893	0.095883	-0.04906	-0.14494	0.716245
ATP2A2	Sarcoplasmic/endc	0	-0.03349	0.047326	-0.09699	-0.14432	0.717264
MRPS14	28S ribosomal pro	0	0.005854	-0.09952	-0.24246	-0.14294	0.719549
AKAP1	A-kinase anchor pr	0	-0.0745	0.180459	0.039576	-0.14088	0.722964
HIST1H1E	Histone H1.4	0	0.073822	0.101084	-0.03872	-0.13981	0.724755

TNRC6B	Isoform 2 of Trinuc	0	-0.10973	-0.00299	-0.14225	-0.13927	0.725661
NDUFA4	NADH dehydrogen	0	0.001676	0.038689	-0.10028	-0.13897	0.726158
ANGEL1	Protein angel hom	0	0.204837	0.237232	0.100302	-0.13693	0.729575
HNRNPR	Heterogeneous nuc	0	-0.04906	-0.18387	-0.3202	-0.13632	0.730593
SART3	SART3 protein	0	-0.07358	0.057775	-0.07731	-0.13509	0.732674
KIAA1671	Uncharacterized pr	0	0.181606	0.052261	-0.08276	-0.13502	0.732788
SIPA1L2	Signal-induced pro	0	0.062019	0.083417	-0.05137	-0.13478	0.733192
RPS3	40S ribosomal pro	0	0.025356	0.136789	0.003257	-0.13353	0.735305
FMR1	Fragile X mental re	0	0.014137	0.089092	-0.04443	-0.13353	0.735316
RPL7A	60S ribosomal pro	0	-0.11101	0.051574	-0.08189	-0.13346	0.735423
H1FO	Histone H1.0	0	-0.09307	-0.03405	-0.16718	-0.13313	0.735982
SSBP1	Single-stranded DN	0	-0.02728	0.016351	-0.11675	-0.1331	0.736041
CXorf22	Uncharacterized pr	0	0.050452	0.026383	-0.10638	-0.13276	0.736614
RPL3	60S ribosomal pro	0	-0.03661	-0.09305	-0.22455	-0.13149	0.738764
DPM3	Dolichol-phosphat	0	0.167705	0.131927	0.000502	-0.13143	0.738881
PDS5B	Sister chromatid cr	0	0.055343	0.054625	-0.07679	-0.13142	0.738897
HSPA9	Stress-70 protein	0	-0.01418	0.051511	-0.0796	-0.13111	0.73942
MRPS33	28S ribosomal pro	0	-0.11927	0.067101	-0.06353	-0.13063	0.74024
USP34	Ubiquitin carboxyl	0	-0.0683	-0.02338	-0.15368	-0.13029	0.74081
CASP14	Caspase-14	0	0.180712	0.111747	-0.01844	-0.13019	0.740989
MRPS16	28S ribosomal pro	0	-0.04329	0.08477	-0.04496	-0.12973	0.74177
MRPS21	28S ribosomal pro	0	-0.16444	-0.09053	-0.21932	-0.12879	0.743375
PSMC3	26S protease regul	0	-0.0581	-0.08532	-0.21374	-0.12842	0.744007
PPP1R10	Serine/threonine-p	0	0.044956	0.073163	-0.05483	-0.12799	0.744745
MRPL49	39S ribosomal pro	0	0.111397	0.164042	0.036954	-0.12709	0.746298
LRRCS9	Leucine-rich repea	0	0.073559	0.052132	-0.07356	-0.12569	0.748708
NHP2L1	NHP2-like protein	0	-0.04771	-0.02198	-0.1474	-0.12541	0.749182
NUDT16L1	Protein syndesmos	0	-0.05605	-0.0811	-0.20585	-0.12475	0.750324
COX4I1	Cytochrome c oxid	0	0.06167	0.070336	-0.05327	-0.12361	0.752302
INVS	Inversin	0	0.091316	0.013196	-0.11008	-0.12327	0.752884
CRNKL1	Crooked neck-like p	0	0.27116	-0.00338	-0.12574	-0.12236	0.754463
DDX21	Nucleolar RNA heli	0	-0.1038	0.050305	-0.07074	-0.12104	0.75676
SLC25A5	ADP/ATP transloca	0	0.011131	0.081047	-0.03813	-0.11918	0.760018
SF3B3	Splicing factor 3B s	0	0.009194	0.069944	-0.04818	-0.11812	0.761865
RPL27	60S ribosomal pro	0	-0.11144	0.021433	-0.09663	-0.11806	0.761973
EIF4G1	Eukaryotic translat	0	-0.07564	0.040169	-0.07691	-0.11708	0.763689
RPL17	60S ribosomal pro	0	0.022	0.064191	-0.04991	-0.1141	0.768948
HADHA	Trifunctional enzyr	0	-0.00447	0.070422	-0.04363	-0.11405	0.769044
LOXL2	Lysyl oxidase homc	0	0.007733	0.068683	-0.04534	-0.11403	0.769086
FAM98A	Protein FAM98A	0	-0.03121	-0.0442	-0.15795	-0.11375	0.769577
EEF1B2	Elongation factor 1	0	-0.18283	-0.01558	-0.12824	-0.11267	0.771492
NCBP2	Nuclear cap-bindir	0	0.377965	0.235538	0.123037	-0.1125	0.77179
MYOF	Myoferlin	0	0.064646	0.058979	-0.05349	-0.11247	0.771849
RPS6	40S ribosomal pro	0	0.08758	0.027247	-0.0851	-0.11235	0.772056
MCM4	DNA replication lic	0	0.008104	0.01601	-0.09618	-0.11219	0.772334
RBM17	Splicing factor 45 (	0	-0.04383	-0.0467	-0.15884	-0.11214	0.772427
RANBP2	Putative peptidyl-p	0	0.003317	0.153439	0.042512	-0.11093	0.774591
ALYREF	THO complex subu	0	0.084507	0.059107	-0.05122	-0.11033	0.775661
NUP214	Nuclear pore comp	0	-0.00367	-0.0464	-0.15443	-0.10802	0.779789
RBM14	Protein RBM14-RB	0	-0.14762	-0.10858	-0.2163	-0.10772	0.780325
NEB	Nebulin	0	-0.00056	0.009274	-0.09845	-0.10772	0.780334
WDR33	pre-mRNA 3' end pi	0	-0.03193	0.009259	-0.09777	-0.10703	0.781578

NCL	Nucleolin	0	-0.02251	0.005729	-0.10074	-0.10647	0.782585
WBP2	WW domain-bindi	0	0.051518	0.019305	-0.08715	-0.10646	0.782605
USP49	Ubiquitin carboxyl	0	-0.03278	0.010709	-0.09537	-0.10608	0.783285
FSIP2	Fibrous sheath-inte	0	0.028565	-0.00565	-0.11133	-0.10568	0.78401
CCDC177	Coiled-coil domain	0	0.045522	0.059572	-0.04586	-0.10543	0.784458
RPS2	40S ribosomal proi	0	0.074733	0.116128	0.01113	-0.105	0.785239
SNRPD3	Small nuclear ribor	0	-0.02067	0.059146	-0.04523	-0.10437	0.78637
SLC39A7	Zinc transporter SL	0	0.064427	-0.03512	-0.13943	-0.10431	0.786486
LSM2	U6 snRNA-associat	0	0.019057	0.004587	-0.09957	-0.10416	0.786755
LRPPRC	Leucine-rich PPR n	0	-0.14569	0.005388	-0.09742	-0.10281	0.789207
LARP4B	La-related protein	0	-0.03281	0.039675	-0.06286	-0.10253	0.789711
YBX3	Isoform 2 of Y-box-	0	0.092909	0.030212	-0.07217	-0.10238	0.789987
CENPE	Centromere-associ	0	0.017614	0.068454	-0.03338	-0.10184	0.790979
FAM83B	Protein FAM83B	0	-0.04843	-0.0008	-0.10131	-0.1005	0.793405
KRR1	KRR1 small subuni	0	-0.09243	-0.0967	-0.19705	-0.10035	0.793684
MYCBP2	Probable E3 ubiqui	0	0.060539	0.027032	-0.07303	-0.10006	0.794222
GART	Trifunctional purin	0	-0.02213	0.003524	-0.09565	-0.09917	0.795841
PNPT1	Polyribonucleotidi	0	0.004848	0.036382	-0.06235	-0.09873	0.796651
FLG2	Filaggrin-2	0	0.020095	-0.14194	-0.24065	-0.09871	0.7967
RCHY1	RING finger and CH	0	-0.03094	0.096805	-0.0018	-0.09861	0.79688
MDN1	Midasin	0	0.00483	-0.03729	-0.13541	-0.09812	0.797774
HP1BP3	Heterochromatin p	0	0.017339	-0.10756	-0.20558	-0.09803	0.797944
DAD1	Dolichyl-diphosph	0	0.106509	0.168146	0.070628	-0.09752	0.798881
CISD2	CDGSH iron-sulfur	0	0.0655	-0.02151	-0.11843	-0.09692	0.799982
U2AF1	Splicing factor U2A	0	0.048816	0.152111	0.055396	-0.09672	0.800358
TRAF2	TNF receptor-assoc	0	-0.00703	0.103666	0.008244	-0.09542	0.802745
DDX23	Probable ATP-depe	0	-0.0344	0.037175	-0.05773	-0.0949	0.803706
DNM2	Dynammin-2	0	0.089629	0.054626	-0.04013	-0.09476	0.803973
KPNB1	Importin subunit b	0	-0.05701	0.027595	-0.06709	-0.09468	0.804109
GPRASP2	G-protein coupled	0	0.068718	-0.04908	-0.14308	-0.094	0.805374
RPL22	60S ribosomal proi	0	0.246487	0.273746	0.1804	-0.09335	0.806593
PRDX1	Peroxiredoxin-1	0	0.691597	0.241835	0.149853	-0.09198	0.809129
ATP1A1	Sodium/potassium	0	-0.06907	0.034123	-0.05762	-0.09175	0.809571
MRPS24	28S ribosomal proi	0	0.018452	0.162313	0.071175	-0.09114	0.810702
REM1	GTP-binding protei	0	-0.13319	-0.09899	-0.18971	-0.09073	0.811473
DHX30	Putative ATP-deper	0	-0.0401	0.013671	-0.07678	-0.09045	0.811982
SRP72	Signal recognition	0	-0.07407	-0.03342	-0.12332	-0.08991	0.813003
PFN2	Profilin-2	0	0.260423	0.288869	0.199929	-0.08894	0.814818
TNRC6C	Trinucleotide repe	0	-0.04471	-0.01781	-0.10532	-0.08751	0.817502
EEF2	Elongation factor 2	0	-0.03168	0.047221	-0.03935	-0.08657	0.819275
PRMT6	Protein arginine N-	0	-0.06215	-0.03241	-0.11892	-0.08651	0.819398
LSG1	Large subunit GTPa	0	-0.02109	0.003163	-0.08286	-0.08602	0.820309
KTN1	Kinectin	0	-0.06665	-0.03338	-0.11934	-0.08596	0.82042
LGALS3BP	Galectin-3-binding	0	-0.01149	0.06276	-0.02291	-0.08567	0.820968
POLR3A	DNA-directed RNA	0	-0.22298	-0.0784	-0.16311	-0.08471	0.822793
SF3B2	Splicing factor 3B s	0	-0.07539	0.003282	-0.08069	-0.08398	0.824185
EPPK1	Epiplakin	0	0.153566	0.099937	0.016268	-0.08367	0.824766
DENND3	DENN domain-coni	0	-0.08375	-0.03489	-0.11777	-0.08289	0.826249
CMYA5	Cardiomyopathy-a	0	-0.05135	0.047776	-0.03433	-0.0821	0.827748
RPS16	40S ribosomal proi	0	0.591124	0.504294	0.423278	-0.08102	0.82982
QARS	Bifunctional glutar	0	-0.13792	-0.03772	-0.11829	-0.08057	0.830671
MAP4	Microtubule-assoc	0	-0.05932	0.017777	-0.06224	-0.08001	0.831735

SIPA1L1	Signal-induced pro	0	-0.02257	-0.02993	-0.10993	-0.08	0.831754
PLP2	Proteolipid protein	0	-0.05234	0.098827	0.019243	-0.07958	0.83256
SRSF7	Serine/arginine-ric	0	0.005195	0.042773	-0.03585	-0.07863	0.834398
HDLBP	Vigilin	0	0.012494	0.063041	-0.01537	-0.07841	0.834807
SMARCC1	SWI/SNF complex s	0	-0.13367	-0.04333	-0.12103	-0.0777	0.83618
MAP7	Ensconsin	0	-0.04589	0.017172	-0.05844	-0.07562	0.840203
SSB	Lupus La protein	0	-0.00112	-0.03077	-0.10629	-0.07552	0.840393
RRP12	RRP12-like protein	0	-0.05508	0.033184	-0.03972	-0.0729	0.845474
RPS18	40S ribosomal proi	0	0.069982	0.035123	-0.03684	-0.07197	0.847292
C1orf173	Uncharacterized pr	0	0.054725	0.008693	-0.0629	-0.07159	0.848028
LTF	Kaliocin-1 (Fragme	0	-0.02876	-0.05273	-0.12412	-0.07139	0.848421
DIDO1	Death-inducer obli	0	-0.03759	-0.0014	-0.07183	-0.07043	0.850291
FBL	rRNA 2'-O-methyltr	0	-0.02794	-0.00463	-0.07458	-0.06994	0.851246
TRIB3	Tribbles homolog 3	0	0.215741	0.168068	0.099788	-0.06828	0.854516
HNRNPU	Heterogeneous nuc	0	0.01363	0.016448	-0.05167	-0.06812	0.85484
RAB5A	Ras-related protein	0	-0.18049	0.06394	-0.0036	-0.06754	0.855975
RRP1B	Ribosomal RNA pro	0	-0.07618	0.000157	-0.06714	-0.0673	0.856453
GIGYF2	PERQ amino acid-ri	0	-0.04074	0.006891	-0.06022	-0.06711	0.856828
DNAH12	Dynein heavy chain	0	-0.02415	-0.09044	-0.15509	-0.06464	0.861699
ATXN2	Ataxin-2 (Fragment	0	-0.04699	0.007732	-0.0566	-0.06433	0.862317
MRPS22	28S ribosomal proi	0	0.008105	0.012819	-0.05097	-0.06379	0.86339
RPL10A	60S ribosomal proi	0	0.007635	0.002058	-0.06141	-0.06347	0.864035
AGL	Glycogen debranch	0	0.020444	0.060627	-0.00245	-0.06307	0.864821
USP9Y	Probable ubiquitin	0	-0.06307	0.064186	0.001305	-0.06288	0.865206
TARDBP	TAR DNA-binding p	0	-0.07871	-0.0789	-0.14124	-0.06234	0.86628
SMARCE1	SWI/SNF-related m	0	0.01434	-0.02214	-0.08441	-0.06227	0.866432
SRSF9	Serine/arginine-ric	0	-0.10264	0.058036	-0.00405	-0.06209	0.866784
PARP4	Poly [ADP-ribose] p	0	0.006621	0.030673	-0.03136	-0.06203	0.866893
RPS12	40S ribosomal proi	0	0.075991	0.12486	0.062842	-0.06202	0.866926
MCM7	DNA replication lic	0	-0.05787	-0.02097	-0.08285	-0.06188	0.867209
SAP18	Histone deacetylase	0	-0.08025	-0.03322	-0.09495	-0.06173	0.867495
SQSTM1	Sequestosome-1	0	-0.0736	-0.10734	-0.16885	-0.06151	0.867943
MRPS17	28S ribosomal proi	0	0.432133	0.399827	0.338368	-0.06146	0.868042
BCAS2	Pre-mRNA-splicing	0	-0.06694	-0.05047	-0.11141	-0.06094	0.86908
EWSR1	Ewing sarcoma bre	0	-0.02717	0.06442	0.003511	-0.06091	0.869142
AP2M1	AP-2 complex subu	0	0.034884	0.04747	-0.01341	-0.06088	0.869207
RPS21	40S ribosomal proi	0	-0.03391	0.037367	-0.02343	-0.06079	0.869372
RPL36A	60S ribosomal proi	0	0.366306	0.350543	0.290361	-0.06018	0.870599
RBBP8NL	RBBP8 N-terminal-	0	0.080156	0.14886	0.088775	-0.06009	0.870792
SEC31A	Protein transport p	0	0.035895	-0.01865	-0.07814	-0.05949	0.871994
BTA1F1	TATA-binding prote	0	0.111071	-0.00189	-0.06005	-0.05816	0.874659
EIF3C	Eukaryotic translat	0	0.007833	0.077283	0.021165	-0.05612	0.878784
ZFR	Zinc finger RNA-bin	0	-0.04657	-0.0066	-0.06227	-0.05567	0.879688
RPS19	40S ribosomal proi	0	0.659142	0.509605	0.454834	-0.05477	0.881514
FAM83H	Protein FAM83H	0	-0.08389	-0.00498	-0.05952	-0.05454	0.881974
PARP1	Poly [ADP-ribose] p	0	0.052217	0.044123	-0.00969	-0.05382	0.883454
SCAF4	Splicing factor	0	-0.09258	-0.06193	-0.11567	-0.05374	0.883603
YTHDF1	YTH domain family	0	0.057635	0.011433	-0.04226	-0.05369	0.883713
DHX36	Probable ATP-depe	0	-0.05004	0.022812	-0.02941	-0.05222	0.886704
RBM28	RNA-binding prote	0	-0.07826	-0.03144	-0.08329	-0.05185	0.887465
UPF2	Regulator of nonse	0	0.023846	0.021571	-0.02965	-0.05123	0.888741
CHCHD3	Coiled-coil-helix-co	0	0.038952	-0.02452	-0.0752	-0.05068	0.889847

MYH14	Myosin-14	0	0.043224	0.064334	0.013706	-0.05063	0.889964
STRBP	Spermatid perinuc	0	0.039313	0.014988	-0.03516	-0.05015	0.890938
CCAR1	Cell division cycle	0	-0.02139	0.042021	-0.006	-0.04802	0.89532
RPS27	40S ribosomal pro	0	0.005253	0.039598	-0.0082	-0.0478	0.895771
MRPL41	39S ribosomal pro	0	0.087092	0.089658	0.042755	-0.0469	0.897629
MRPL27	39S ribosomal pro	0	0.002457	0.055586	0.008921	-0.04667	0.898121
LYZ	Lysozyme C	0	0.064179	0.014846	-0.03125	-0.0461	0.899293
LSM14B	Protein LSM14 hor	0	0.098249	-0.03158	-0.07724	-0.04566	0.900203
MCM5	DNA replication lic	0	-0.05257	-0.0933	-0.13882	-0.04552	0.900492
TTN	Titin	0	-0.04207	-0.03836	-0.08323	-0.04486	0.901852
SERBP1	Plasminogen activa	0	0.092353	0.076086	0.03217	-0.04392	0.903825
MYO1E	Unconventional m	0	-0.0107	0.01402	-0.02955	-0.04356	0.904555
EIF2S1	Eukaryotic translat	0	-0.06251	-0.00893	-0.05211	-0.04318	0.905359
RPL14	60S ribosomal pro	0	0.051658	0.037872	-0.00481	-0.04268	0.906403
YTHDC1	YTH domain-contai	0	-0.01725	0.079584	0.037399	-0.04219	0.907434
PCBP2	Poly(rC)-binding pr	0	-0.04172	0.030851	-0.01108	-0.04193	0.907975
SEC14L6	Putative SEC14-like	0	-0.00203	0.046287	0.004464	-0.04182	0.90819
PDCD6IP	Programmed cell d	0	-0.07272	0.015122	-0.02662	-0.04174	0.908361
TSPYL5	Testis-specific Y-en	0	-0.17353	-0.12743	-0.16881	-0.04139	0.909105
MRPL14	39S ribosomal pro	0	-0.06212	0.070365	0.029044	-0.04132	0.909241
MYO6	Unconventional m	0	0.042886	-0.00979	-0.05065	-0.04086	0.910205
IPO7	Importin-7	0	-0.20406	0.023338	-0.01735	-0.04069	0.910564
C2orf18	Chromosome 2 op	0	0.07917	0.146226	0.106042	-0.04018	0.911625
CPSF1	Cleavage and polya	0	-0.09779	0.009025	-0.03114	-0.04016	0.91167
TUBA4B	Putative tubulin-lil	0	-0.04909	-0.04164	-0.08121	-0.03957	0.912913
IARS	Isoleucine-tRNA li	0	-0.07417	-0.00176	-0.04053	-0.03877	0.914606
FLNA	Filamin-A	0	-0.12574	-0.1037	-0.14216	-0.03846	0.915255
MRPS26	28S ribosomal pro	0	0.021378	0.076089	0.038213	-0.03788	0.916483
PLEC	Plectin	0	0.103528	0.039752	0.002181	-0.03757	0.917127
LSM14A	Protein LSM14 hor	0	0.069015	0.026084	-0.01025	-0.03633	0.919745
C1orf194	Uncharacterized pr	0	-0.00064	-0.02304	-0.05878	-0.03574	0.921005
RPS27A	Ubiquitin-40S ribo	0	-0.01484	-0.00479	-0.04047	-0.03567	0.921141
RBM45	RNA-binding prote	0	-0.08389	-0.05786	-0.09269	-0.03483	0.922931
RPS3A	40S ribosomal pro	0	-0.01016	0.114773	0.080376	-0.0344	0.923853
EIF4A3	Eukaryotic initiatic	0	-0.01287	0.013077	-0.0207	-0.03378	0.925175
DDX3X	ATP-dependent RN	0	-0.05339	-0.02983	-0.06348	-0.03365	0.925445
RAB11A	Ras-related protein	0	-0.02931	0.002338	-0.03128	-0.03362	0.925513
RPL34	60S ribosomal pro	0	0.228021	0.136676	0.103216	-0.03346	0.925848
TRIM28	Transcription inter	0	-0.04218	-0.01011	-0.04318	-0.03308	0.926666
DDX5	Probable ATP-depe	0	0.037028	-0.00758	-0.04025	-0.03267	0.927528
DSC1	Desmocollin-1	0	-0.01678	0.048096	0.015813	-0.03228	0.928363
TRPS1	Zinc finger transcri	0	-0.07957	-0.01171	-0.04384	-0.03213	0.92869
TCF25	Transcription factc	0	0.057735	0.005332	-0.02642	-0.03175	0.929501
PCBP1	Poly(rC)-binding pr	0	0.086352	0.083763	0.052088	-0.03168	0.929661
LLGL2	Lethal(2) giant larv	0	0.13141	0.040117	0.009189	-0.03093	0.931263
MRPL3	39S ribosomal pro	0	-0.08492	-0.04081	-0.07109	-0.03028	0.932646
CABIN1	Calcineurin bindin	0	-0.04072	-0.0221	-0.05234	-0.03024	0.932729
XPO5	Exportin-5	0	0.051533	-0.04372	-0.07341	-0.02969	0.933919
PIP	Prolactin-inducibl	0	0.180115	0.104032	0.074974	-0.02906	0.93528
SYNE2	Nesprin-2	0	0.105767	0.055997	0.027079	-0.02892	0.935582
RRBP1	Ribosome-binding	0	0.028215	-0.00668	-0.03494	-0.02825	0.937012
MYBBP1A	Myb-binding prote	0	0.011629	0.034653	0.007413	-0.02724	0.939203

KIAA1109	Uncharacterized pr	0	0.009694	0.017174	-0.00998	-0.02715	0.939393
HNRNPA3	Heterogeneous nuc	0	-0.05329	-0.04458	-0.07063	-0.02605	0.941779
CAPRIN1	Caprin-1	0	0.125468	0.062783	0.037314	-0.02547	0.94304
ZNF638	Zinc finger protein	0	-0.03179	-0.01529	-0.04061	-0.02533	0.943346
SNRNP40	U5 small nuclear ri	0	0.130638	0.0381	0.013433	-0.02467	0.944784
CHD1L	Chromodomain-he	0	-0.11621	0.000779	-0.02372	-0.0245	0.945156
POLR2I	DNA-directed RNA	0	0.102217	0.127982	0.103996	-0.02399	0.946269
SON	Protein SON	0	0.003392	-0.01585	-0.03961	-0.02376	0.946765
NOA1	Nitric oxide-associ	0	0.088413	0.083682	0.060066	-0.02362	0.947074
ESRRA	Steroid hormone r	0	0.269924	0.075269	0.052408	-0.02286	0.948721
ZC3H8	Zinc finger CCCH d	0	-0.04949	-0.0629	-0.08542	-0.02252	0.949464
SSR4	Translocon-associa	0	0.111069	0.144357	0.121899	-0.02246	0.949602
RPL6	60S ribosomal pro	0	0.111977	0.032147	0.010914	-0.02123	0.952285
DYNC2H1	Cytoplasmic dynei	0	0.047426	-0.04434	-0.06499	-0.02065	0.953562
TOP1	DNA topoisomeras	0	-0.03847	-0.01257	-0.03249	-0.01992	0.955164
RPS14	40S ribosomal pro	0	0.576782	0.450672	0.43082	-0.01985	0.955317
SEC24A	Protein transport p	0	-0.03939	0.029817	0.010779	-0.01904	0.95711
TACC3	Transforming acidi	0	-0.04215	0.02113	0.00226	-0.01887	0.957479
null	Trypsin	0	0.006133	-0.04878	-0.06759	-0.01881	0.957621
ZC3H4	Zinc finger CCCH d	0	0.03945	0.142247	0.123626	-0.01862	0.958028
SAFB	SAFB protein	0	0.071707	0.022466	0.004839	-0.01763	0.960224
RPL8	60S ribosomal pro	0	0.026407	0.069237	0.052467	-0.01677	0.962122
CHD4	Chromodomain-he	0	0.173044	0.293778	0.277424	-0.01635	0.963044
LARP4	La ribonucleoprote	0	-0.04177	0.014375	-0.00161	-0.01599	0.963858
DDX17	Probable ATP-depe	0	-0.0175	-0.01593	-0.03082	-0.01489	0.96629
HNRNPA2B	Heterogeneous nuc	0	-0.02691	-0.03194	-0.04481	-0.01287	0.9708
SMC4	Structural mainter	0	-0.01766	0.075057	0.062228	-0.01283	0.970891
SF3B4	Splicing factor 3B s	0	-0.05702	-0.11736	-0.13014	-0.01279	0.97099
RPL15	Ribosomal protein	0	0.060372	0.037044	0.024286	-0.01276	0.971052
RUVBL1	RuvB-like 1	0	-0.11992	-0.0502	-0.0626	-0.01241	0.971837
HNRNPL	Heterogeneous nuc	0	0.00408	-0.02833	-0.0402	-0.01187	0.973028
MRPS27	28S ribosomal pro	0	-0.01039	0.088357	0.076524	-0.01183	0.97312
COPG1	Coatomer subunit	0	0.002274	-0.02072	-0.03247	-0.01175	0.9733
KHSRP	Far upstream elem	0	-0.00085	-0.0002	-0.01155	-0.01135	0.974208
CAD	DNA fragmentatio	0	-0.03421	-0.00652	-0.01776	-0.01124	0.974449
UPF1	Regulator of nonse	0	0.058983	0.011614	0.000653	-0.01096	0.975077
COX6C	Cytochrome c oxid	0	-0.02122	-0.01863	-0.02943	-0.0108	0.975431
DNAJA1	DnaJ homolog sub	0	-0.10564	-0.115	-0.1258	-0.0108	0.975438
AP2A1	AP-2 complex subu	0	0.030998	0.048048	0.037353	-0.0107	0.975674
PRRC2A	Protein PRRC2A	0	-0.02167	-0.01484	-0.02521	-0.01037	0.976408
HNRNPK	Isoform 3 of Heterc	0	0.005737	0.014129	0.003921	-0.01021	0.976769
MTDH	Protein LYRIC	0	0.071615	-0.0269	-0.03538	-0.00848	0.980663
SS18	Protein SSXT	0	-0.0048	-0.02343	-0.03187	-0.00844	0.980764
TJP2	Tight junction prot	0	-0.04132	0.001949	-0.0059	-0.00785	0.982079
PURB	Transcriptional act	0	0.08791	0.03869	0.030937	-0.00775	0.982306
USP7	Ubiquitin carboxyl	0	-0.02788	0.041107	0.033544	-0.00756	0.982735
CTNNA1	Catenin alpha-1 (Fr	0	0.194495	0.163842	0.157076	-0.00677	0.984541
CARM1	Histone-arginine m	0	-0.03191	-0.0498	-0.05525	-0.00545	0.987533
RPL30	60S ribosomal pro	0	-0.04351	0.03977	0.034366	-0.0054	0.987634
PRRC2C	Protein PRRC2C	0	-0.05219	-0.03967	-0.04487	-0.0052	0.988093
MCM3	DNA replication lic	0	-0.00331	0.068172	0.063046	-0.00513	0.988268
MYL6	Myosin light polyp	0	0.218193	0.186331	0.181619	-0.00471	0.989209

NOMO3	Nodal modulator 3	0	-0.0648	-0.04656	-0.05098	-0.00442	0.989876
ILF2	Interleukin enhanc	0	-0.01049	-0.09558	-0.09991	-0.00433	0.990077
RAB10	Ras-related proteir	0	-0.06285	-0.02631	-0.03041	-0.0041	0.9906
KIAA1967	Isoform 2 of DBIRD	0	-0.05149	-0.016	-0.01986	-0.00386	0.991152
EIF2S3	Eukaryotic translat	0	0.01027	-0.01092	-0.01457	-0.00365	0.99163
HIST1H1D	Histone H1.3	0	0.053794	-0.05783	-0.06144	-0.00361	0.991717
SPATS2L	SPATS2-like proteir	0	0.0178	-0.0394	-0.04273	-0.00333	0.992367
TEX10	Testis-expressed se	0	0.082643	0.01408	0.011691	-0.00239	0.994514
POFUT2	GDP-fucose proteir	0	-0.13228	0.048187	0.04617	-0.00202	0.995367
SF3B1	Splicing factor 3B s	0	-0.00832	0.024644	0.023041	-0.0016	0.996314
HNRNPH1	Heterogeneous nuc	0	-0.06279	-0.07794	-0.07844	-0.0005	0.99885
RPS8	40S ribosomal proi	0	-0.13757	0.034461	0.034098	-0.00036	0.999164
ILF3	Interleukin enhanc	0	-0.0075	-0.03722	-0.03757	-0.00034	0.999206
RBM27	RNA-binding prote	0	0.037433	-0.03037	-0.03064	-0.00027	0.999384
GRSF1	G-rich sequence fa	0	-0.09202	-0.03569	-0.03583	-0.00014	0.999675
MAP4	Isoform 5 of Microtubule-associated prote	0		0	0	0	1
PSMA2	Proteasome subunit alpha type	0		0	0	0	1
S100A13	Protein S100-A13	0	0	0	0	0	1
SEC16A	Isoform 5 of Protein transport	0				0	1
TBK1	Serine/threonine-protein kinas	0			0	0	1
TRMT61A	tRNA (adenine(58)-N(1))-methy	0	0	0	0	0	1
SUPV3L1	ATP-dependent RN	0	-0.04367	0.035773	0.037022	0.001249	1.002881
ATP5B	ATP synthase subur	0	-0.0787	-0.02677	-0.02538	0.001387	1.003199
EIF5B	Eukaryotic translat	0	-0.01247	0.021395	0.023123	0.001728	1.003988
HSPD1	60 kDa heat shock |	0	0.01691	-0.07495	-0.07303	0.001926	1.004445
SRSF6	Serine/arginine-ric	0	-0.02407	-0.04245	-0.04045	0.001996	1.004606
DCTN1	Dynactin subunit 1	0	-0.09872	-0.02533	-0.02296	0.002374	1.005481
ZNF326	DBIRD complex sul	0	-0.12438	-0.09981	-0.09729	0.002525	1.005831
MRPS34	28S ribosomal proi	0	-0.08139	-0.01414	-0.01158	0.002565	1.005923
RFC1	Replication factor	0	-0.08879	-0.0272	-0.02446	0.00274	1.006328
MUC16	Mucin-16	0	-0.08478	-0.07904	-0.07615	0.002897	1.006694
ATP5C1	ATP synthase subur	0	0.067824	0.066393	0.069584	0.003191	1.007374
BAG4	BAG family molecu	0	0.007508	0.004791	0.009249	0.004458	1.010318
FTSJ3	pre-rRNA processin	0	0.126712	0.090801	0.095309	0.004508	1.010434
YTHDC2	Probable ATP-depe	0	0.021253	0.046633	0.051638	0.005006	1.011593
WIBG	Partner of Y14 and	0	0.292509	0.198174	0.203272	0.005098	1.011807
AKAP8L	A-kinase anchor pr	0	-0.01247	-0.04823	-0.04296	0.005268	1.012204
PHB2	Prohibitin-2	0	-0.14226	0.000909	0.006717	0.005808	1.013463
RPS29	40S ribosomal proi	0	-0.02265	-0.03823	-0.03214	0.006089	1.01412
EPRS	Bifunctional glutar	0	-0.1248	-0.03654	-0.03042	0.006125	1.014202
MLL	MLL cleavage prod	0	0.05294	0.027869	0.034054	0.006185	1.014343
SCN8A	Sodium channel pr	0	0.059427	-0.00981	-0.0033	0.006511	1.015106
PUM1	Pumilio homolog 1	0	0.06179	-0.00388	0.00316	0.007039	1.016339
DNAH10	Dynein heavy chair	0	0.124153	0.135266	0.14301	0.007744	1.017991
BDP1	Isoform 8 of Transc	0	-0.40684	-0.26557	-0.25772	0.007851	1.018243
RPL18	60S ribosomal proi	0	0.104222	-0.045	-0.03714	0.007861	1.018266
PLEKHM3	Pleckstrin homolo	0	0.05225	0.021572	0.029544	0.007972	1.018525
PRPF39	Pre-mRNA-processi	0	-0.03336	-0.04618	-0.0376	0.008585	1.019965
CDH1	Cadherin-1	0	0.050773	0.009819	0.018696	0.008877	1.02065
RPL26	60S ribosomal proi	0	-0.06207	-0.02914	-0.01995	0.009195	1.021398
PFN1	Profilin-1	0	0.181099	0.097786	0.107503	0.009717	1.022625
IGHG1	Ig gamma-1 chain C	0	0.03794	0.024189	0.033981	0.009792	1.022803

NSUN2	NOL1/NOP2/Sun d	0	0.022792	0.109609	0.119406	0.009797	1.022815
RPL36	60S ribosomal pro	0	0.105505	0.024476	0.034485	0.010009	1.023314
BIRC6	Baculoviral IAP rep	0	0.102411	0.021587	0.03208	0.010493	1.024455
EIF3I	Eukaryotic translat	0	-0.00206	0.025856	0.03645	0.010595	1.024695
SMCHD1	Structural mainter	0	0.047882	-0.0129	-0.00112	0.011779	1.027494
RBM6	RNA-binding prote	0	-0.00285	-0.03614	-0.02343	0.012703	1.029681
GAPDH	Glyceraldehyde-3- β	0	-0.00313	0.032335	0.045325	0.012991	1.030364
EIF3A	Eukaryotic translat	0	0.025729	0.035895	0.049069	0.013174	1.030799
SYNCRIP	Isoform 3 of Heterc	0	0.084363	0.034272	0.047601	0.013329	1.031167
ALB	Serum albumin	0	-0.0071	-0.02917	-0.01479	0.014385	1.033677
PABPC1	Polyadenylate-bin	0	-0.03797	-0.02752	-0.01246	0.015063	1.035292
H1FX	Histone H1x	0	0.055027	0.026457	0.041876	0.01542	1.036143
TFG	Protein TFG	0	-0.02614	-0.02909	-0.0133	0.01579	1.037026
CDC5L	Cell division cycle!	0	-0.02698	-0.04315	-0.02734	0.015813	1.037082
HNRNPH2	Heterogeneous nuc	0	-0.11367	-0.09557	-0.07944	0.016131	1.037842
CANX	Calnexin	0	-0.03938	-0.07263	-0.0563	0.016333	1.038323
FAM120A	Constitutive coacti	0	-0.00282	0.014564	0.031581	0.017017	1.03996
KRI1	Protein KRI1 homc	0	0.016893	0.019272	0.03741	0.018138	1.042649
DSP	Desmoplakin	0	-0.03101	-0.07277	-0.05363	0.019135	1.045045
TRIM56	E3 ubiquitin-prote	0	0.043647	0.014554	0.034075	0.019522	1.045976
SKIV2L2	Superkiller viralici	0	-0.11956	-0.03773	-0.01757	0.020157	1.047508
ATP5A1	ATP synthase subur	0	0.005666	-0.05612	-0.03527	0.020852	1.049184
MATR3	Matrin-3	0	0.020359	-0.01196	0.010121	0.022083	1.052162
C14orf166	UPF0568 protein C	0	0.360081	0.076552	0.098747	0.022195	1.052434
SFPQ	Splicing factor	0	0.039284	0.014049	0.036571	0.022522	1.053227
HSP90AB1	Heat shock protein	0	-0.0011	-0.03168	-0.00913	0.022547	1.053288
UBAP2L	Ubiquitin-associat	0	-0.099	-0.04817	-0.02537	0.022802	1.053906
RPL13	60S ribosomal pro	0	-0.01389	0.028417	0.051689	0.023272	1.055047
ASCC3	Activating signal cc	0	-0.0364	-0.06383	-0.04051	0.023324	1.055173
KHDRBS1	KH domain-contair	0	0.048229	-0.00115	0.022238	0.023388	1.055329
NPM1	Nucleophosmin	0	-0.02712	-0.0862	-0.06259	0.023608	1.055865
IGLC2	Ig lambda-2 chain (	0	0.091976	0.042714	0.066742	0.024028	1.056885
LUC7L2	Putative RNA-bindi	0	0.114074	0.050988	0.075312	0.024324	1.057607
ESR1	Estrogen receptor	0	-0.05333	-0.08488	-0.06042	0.02446	1.057938
KIF20B	Isoform 4 of Kinesi	0	0.051952	-0.00515	0.019723	0.024876	1.058951
RPS26	40S ribosomal pro	0	0.116201	0.096727	0.121623	0.024897	1.059002
RPL37A	60S ribosomal pro	0	0.21231	-0.11664	-0.09134	0.025299	1.059984
DHX8	ATP-dependent RN	0	-0.04892	0.04385	0.069332	0.025481	1.060428
FLNC	Filamin-C	0	0.054202	0.202452	0.228226	0.025774	1.061144
PPP2R2A	Serine/threonine-p	0	0.021209	0.027745	0.054004	0.026259	1.062329
ZCCHC8	Zinc finger CCHC d	0	-0.08627	-0.04631	-0.02	0.026314	1.062462
ACTL6A	Actin-like protein	0	-0.14872	-0.14547	-0.11817	0.0273	1.064877
TJP1	Tight junction prot	0	-0.0048	-0.0517	-0.02376	0.027941	1.066451
RC3H1	Roquin-1	0	0.005431	-0.09547	-0.06702	0.028444	1.067686
HNRNPUL1	Heterogeneous nuc	0	-0.02549	-0.04784	-0.01835	0.02949	1.070261
TIAL1	Isoform 2 of Nucle	0	0.016478	-0.03564	-0.00548	0.030164	1.071924
DDX1	ATP-dependent RN	0	0.023016	-0.03313	-0.00234	0.030782	1.073451
SMARCC2	SWI/SNF complex s	0	0.054395	-0.02196	0.008874	0.030831	1.073573
DHX9	ATP-dependent RN	0	-0.0603	-0.03323	-0.00233	0.030896	1.073731
ELAVL1	ELAV-like protein 1	0	0.040367	-0.0133	0.018593	0.031897	1.076209
XIRP2	Xin actin-binding r	0	-0.02109	0.015857	0.048124	0.032267	1.077127
SLC1A5	Neutral amino acid	0	-0.14272	-0.07876	-0.04644	0.032318	1.077254

RBMX	RNA-binding motif	0	-0.00886	-0.03652	-0.00418	0.032337	1.0773
SCYL1	N-terminal kinase-l	0	-0.00459	0.048471	0.081015	0.032544	1.077813
SEC24C	Protein transport p	0	0.013524	0.019302	0.052113	0.032811	1.078476
GNB2L1	Guanine nucleotid	0	-0.04341	0.065276	0.098116	0.03284	1.078551
DCD	Dermcidin	0	-0.15333	-0.1902	-0.15715	0.033051	1.079075
AZGP1	Zinc-alpha-2-glyco	0	-0.03412	0.040273	0.073555	0.033282	1.079647
HSPB1	Heat shock protein	0	-0.01257	-0.05728	-0.02377	0.033517	1.080233
AP3D1	AP-3 complex subu	0	0.039623	0.006415	0.040394	0.033979	1.081383
SNRPB2	U2 small nuclear ri	0	0.0162	-0.0666	-0.03151	0.035084	1.084137
LSM12	Protein LSM12 hor	0	-0.02528	0.053934	0.089336	0.035401	1.084929
EMG1	Ribosomal RNA sm	0	-0.05556	0.019687	0.055127	0.03544	1.085025
AKAP8	A-kinase anchor pr	0	0.010943	-0.05958	-0.02388	0.035702	1.08568
SRPK2	SRSF protein kinase	0	0.112795	0.07188	0.107869	0.035989	1.086397
FAM120C	Constitutive coacti	0	-0.02758	0.044863	0.081164	0.036301	1.087178
CCT4	T-complex protein	0	-0.04308	-0.00064	0.03719	0.037828	1.091008
PHAX	Phosphorylated ad	0	0.07171	-0.06452	-0.0264	0.038119	1.091741
HNRNPD	Heterogeneous nuc	0	-0.06705	-0.0321	0.006993	0.03909	1.094182
RPS9	40S ribosomal pro	0	0.041003	-0.06104	-0.02177	0.039266	1.094627
IMMT	Mitochondrial inn	0	0.013723	-0.05732	-0.0178	0.039526	1.095283
CSE1L	Exportin-2	0	0.022959	0.099999	0.139551	0.039552	1.095347
COPB2	Coatomer protein	0	0.005861	-0.03067	0.009071	0.039742	1.095827
HNRNPDL	Heterogeneous nuc	0	-0.10277	-0.03349	0.006288	0.039778	1.095918
MRPS9	28S ribosomal pro	0	0.157329	0.004073	0.044632	0.040559	1.09789
SMARCA4	Transcription activ	0	-0.05956	-0.07072	-0.0301	0.04062	1.098044
HNRPLL	Heterogeneous nuc	0	-0.12623	-0.06483	-0.02373	0.041108	1.09928
PHF2	Lysine-specific der	0	0.086959	-0.02726	0.013958	0.041223	1.099571
SNRPA	U1 small nuclear ri	0	-0.04763	0.052259	0.093922	0.041663	1.100685
PSMD12	26S proteasome nc	0	-0.08808	-0.01365	0.028636	0.04229	1.102275
NOP2	Putative ribosomal	0	0.031426	-0.07151	-0.02922	0.042298	1.102296
PSMC4	26S protease regul	0	0.025338	-0.04154	0.001234	0.042776	1.103509
DSG1	Desmoglein-1	0	0.044786	0.103292	0.146461	0.043169	1.104508
CTNND1	Catenin delta-1	0	-0.03919	0.003494	0.047468	0.043975	1.106559
PTBP1	Polypyrimidine tra	0	-0.04101	-0.01558	0.029003	0.04458	1.108102
MRPS35	28S ribosomal pro	0	0.009742	-0.02659	0.019206	0.045798	1.111215
CROCC	Rootletin (Fragmer	0	0.041249	-0.05511	-0.00928	0.045837	1.111315
XPO1	Exportin-1	0	-0.09643	-0.0669	-0.02102	0.045877	1.111418
DHX29	ATP-dependent RN	0	0.108846	0.023584	0.069651	0.046067	1.111903
PKM	Pyruvate kinase (Fr	0	0.070241	0.003327	0.049598	0.046271	1.112424
ACTG1	Actin	0	0.012406	-0.07402	-0.02762	0.046396	1.112745
ITPR3	Inositol 1	0	-0.10659	-0.1636	-0.11689	0.04671	1.113551
TUBB3	Tubulin beta-3 cha	0	0.082663	-0.0218	0.025135	0.046935	1.114128
PRKDC	DNA-dependent pr	0	0.022386	-0.06437	-0.01708	0.047297	1.115057
SLC17A5	Sialin	0	-0.06947	-0.0504	-0.00307	0.047334	1.115152
TCEB1	Transcription elon	0	0.169718	-0.03443	0.013555	0.047981	1.116815
HSD17B10	3-hydroxyacyl-CoA	0	0.205728	0.210576	0.260204	0.049628	1.121057
SMARCA2	Probable global tra	0	-0.1101	-0.10289	-0.0528	0.050098	1.122271
FASTKD2	FAST kinase domain	0	-0.03308	-0.04754	0.00285	0.050386	1.123016
TRIP12	Isoform 2 of E3 ubi	0	-0.08951	-0.16522	-0.1128	0.052419	1.128286
AGO2	Protein argonau	0	0.006318	-0.04073	0.011716	0.052443	1.128348
RAB2A	Ras-related protei	0	0.052938	-0.01045	0.04248	0.052933	1.129622
PPP1CA	Serine/threonine-p	0	0.12467	-0.35225	-0.29794	0.054316	1.133224
IPO4	Importin-4	0	0.047861	-0.02737	0.02776	0.055131	1.135352

HSP90AA1	Heat shock protein	0	-0.03991	-0.01767	0.037701	0.055376	1.135993
RBM14	RNA-binding prote	0	-0.08125	-0.14457	-0.08786	0.056716	1.139505
RALY	RNA-binding prote	0	0.100353	0.035333	0.092427	0.057093	1.140495
CASC3	Protein CASC3	0	-0.03611	-0.0158	0.041654	0.057457	1.141449
MRPS5	28S ribosomal pro	0	0.053686	0.021355	0.079181	0.057826	1.14242
COPB1	Coatomer subunit	0	0.017338	-0.04829	0.00976	0.05805	1.143009
FAU	40S ribosomal pro	0	0.006561	0.111292	0.169908	0.058616	1.144502
RBM10	RNA-binding prote	0	0.038383	0.005084	0.064055	0.058971	1.145438
HEATR6	HEAT repeat-contai	0	-0.01541	0.008204	0.067679	0.059475	1.146766
ITCH	E3 ubiquitin-prote	0	0.032409	-0.01219	0.04857	0.060756	1.150154
TUBB4B	Tubulin beta-4B ch	0	-0.02214	-0.0534	0.008104	0.061502	1.152132
EFTUD2	116 kDa U5 small r	0	-0.03531	-0.02013	0.041522	0.061655	1.152537
TSR1	Pre-rRNA-processir	0	0.049013	0.017953	0.08	0.062047	1.153579
HSPH1	Heat shock protein	0	-0.05933	-0.04122	0.021214	0.06243	1.154595
WDR6	WD repeat-contair	0	0.010255	-0.01929	0.043565	0.062853	1.155722
TRMT112	tRNA methyltransfi	0	-0.00351	0.027625	0.091004	0.063379	1.157123
PCNT	Pericentrin	0	-0.10967	0.012196	0.076366	0.064171	1.159233
SART1	U4/U6.U5 tri-snRN	0	0.00342	-0.05202	0.012199	0.064218	1.15936
PTCD3	Pentatricopeptide	0	-0.06847	-0.10412	-0.03981	0.064311	1.159608
XRCC5	X-ray repair cross-c	0	0.152795	0.076277	0.140808	0.064532	1.160197
ANKRD28	Serine/threonine-p	0	0.139819	0.064535	0.129238	0.064703	1.160654
TUBA1B	Tubulin alpha-1B c	0	-0.06936	-0.05849	0.006868	0.065361	1.162416
TAX1BP1	Isoform 2 of Tax1-b	0	0.06719	0.002117	0.06754	0.065423	1.16258
HNRNPUL2	Heterogeneous nuc	0	-0.00784	-0.0208	0.046993	0.067791	1.168937
HNRNPA1	Heterogeneous nuc	0	0.018039	-0.02448	0.0434	0.067884	1.169186
RPL37	60S ribosomal pro	0	0.056767	0.109666	0.177662	0.067996	1.169489
DDX27	Probable ATP-depe	0	0.109118	0.027147	0.095398	0.068252	1.170177
MYO1B	Unconventional m	0	-0.02512	-0.03354	0.034751	0.06829	1.17028
HNRNPAB	Heterogeneous nuc	0	0.044244	0.01412	0.082751	0.06863	1.171198
APC	Adenomatous poly	0	-0.00367	-0.01251	0.056527	0.069036	1.172293
SS18L1	Calcium-responsiv	0	0.06741	-0.01582	0.053548	0.069371	1.173198
TRNAU1AP	tRNA selenocysteir	0	-0.05451	-0.15823	-0.0888	0.069422	1.173335
CSTA	Cystatin-A	0	-0.06812	-0.21089	-0.14146	0.069426	1.173347
MARS	Methionine--tRNA	0	-0.04406	-0.03018	0.039871	0.070048	1.175027
GEMIN5	Gem-associated pr	0	0.01194	-0.00209	0.068007	0.070099	1.175165
SNX9	Sorting nexin-9	0	-0.02532	-0.05316	0.018085	0.071243	1.178265
RPL5	60S ribosomal pro	0	-0.017	-0.05527	0.01652	0.071791	1.179753
PPP6R3	Serine/threonine-p	0	0.069928	0.034411	0.106491	0.07208	1.180539
HGS	Hepatocyte growt	0	0.074333	-0.03098	0.041496	0.072477	1.181617
HNRNPC	Heterogeneous nuc	0	0.081636	0.030527	0.103957	0.07343	1.184213
PRPF8	Pre-mRNA-processi	0	-0.07278	-0.09917	-0.02503	0.074138	1.186145
SEC23A	Protein transport p	0	0.008149	-0.00277	0.072855	0.075623	1.190209
NUFIP2	Nuclear fragile X m	0	0.006681	-0.0226	0.054048	0.076653	1.193033
UHRF1	E3 ubiquitin-prote	0	0.030115	0.02689	0.103728	0.076838	1.193542
ZC3HAV1	Zinc finger CCCH-ty	0	0.023649	-0.01777	0.059244	0.077017	1.194036
EPB41L5	Isoform 2 of Band 4	0	0.113177	-0.02285	0.054491	0.077339	1.194919
HUWE1	E3 ubiquitin-prote	0	-0.00616	-0.03723	0.040138	0.077369	1.195002
XRN2	5'-3' exoribonuclea	0	0.018199	-0.01777	0.060069	0.077837	1.196293
EIF3H	Eukaryotic translat	0	0.00883	0.025316	0.103296	0.07798	1.196685
PLOD1	Procollagen-lysine	0	0.157332	-0.09993	-0.02182	0.078109	1.197041
DNMT3A	DNA (cytosine-5)-m	0	0.067367	-0.07222	0.005913	0.07813	1.197099
MRPS31	28S ribosomal pro	0	0.148479	-0.03857	0.039566	0.078139	1.197125

AGAP5	Arf-GAP with GTPa	0	-0.12557	-0.07719	0.001197	0.078391	1.197818
MCM6	DNA replication lic	0	-0.05764	-0.04557	0.034472	0.080043	1.202385
CSNK1A1	Casein kinase I iso	0	-0.08743	-0.02562	0.056148	0.081765	1.20716
LARP1	La-related protein	0	0.023186	0.007532	0.090789	0.083256	1.211313
KIF2A	Kinesin-like protei	0	0.046995	-0.05544	0.028384	0.08382	1.212887
PIGR	Polymeric immunc	0	0.042364	0.057068	0.14129	0.084221	1.214007
SRPK1	SFRS protein kinas	0	0.109851	-0.02768	0.056788	0.084466	1.214692
TRUB2	Probable tRNA pse	0	-0.15621	-0.10968	-0.02441	0.085273	1.21695
C6orf132	Uncharacterized pr	0	0.055049	-0.07263	0.012727	0.085359	1.217193
VCP	Transitional endop	0	0.034494	0.007032	0.09276	0.085728	1.218225
DDB1	DNA damage-bindi	0	-0.00708	-0.00794	0.077843	0.085786	1.218388
MCOLN1	Mucolipin-1	0	0.241858	0.038473	0.124595	0.086122	1.219332
NONO	Non-POU domain-c	0	0.026186	-0.07298	0.01334	0.086325	1.219901
SNRNP200	U5 small nuclear ri	0	-0.12439	-0.08935	-0.00224	0.087112	1.222115
MOV10	Putative helicase N	0	0.057499	0.024457	0.111804	0.087346	1.222774
USP15	Ubiquitin carboxyl	0	-0.02257	-0.01661	0.073478	0.09009	1.230523
G3BP1	Ras GTPase-activati	0	0.16867	0.006982	0.097796	0.090814	1.232578
UBAP2	Ubiquitin-associati	0	-0.00157	-0.01534	0.076092	0.091431	1.234331
ATXN2L	Ataxin-2-like prote	0	0.004781	-0.01263	0.080938	0.093571	1.240427
MOGS	Mannosyl-oligosac	0	0.105561	-0.05781	0.036442	0.094257	1.242387
PUF60	Poly(U)-binding-sp	0	0.107661	-0.03136	0.063737	0.095101	1.244805
SEC24D	Protein transport p	0	0.041739	0.003187	0.098541	0.095354	1.245529
SEC24B	Protein transport p	0	-0.07803	-0.03093	0.064464	0.095393	1.245641
FASN	Fatty acid synthase	0	-0.08046	-0.02658	0.069029	0.095613	1.246273
NPEPPS	Puromycin-sensitiv	0	0.103918	0.023407	0.119083	0.095676	1.246454
CAND1	Cullin-associated N	0	-0.07488	-0.07828	0.020627	0.098904	1.255753
CHERP	Calcium homeosta	0	-0.08606	-0.04073	0.058398	0.099132	1.256412
PRPF6	Pre-mRNA-processi	0	-0.14311	0.083093	0.183145	0.100052	1.259075
TRAP1	Heat shock protein	0	0.007801	-0.02396	0.07668	0.100637	1.260774
SAFB2	Scaffold attachmer	0	-0.04843	-0.05519	0.046265	0.101451	1.26314
PSMG4	HCG22882	0	-0.06966	-0.09971	0.002891	0.102602	1.266492
CELF1	CUGBP Elav-like far	0	0.10098	0.013763	0.116385	0.102623	1.266551
GOLGB1	Golgin subfamily B	0	0.029015	-0.01761	0.085507	0.103117	1.267993
ILF3	Interleukin enhanc	0	-0.08165	-0.15696	-0.05344	0.103529	1.269198
LRR47	Leucine-rich repea	0	0.123007	-0.05106	0.053172	0.104237	1.271268
MIA3	Melanoma inhibitc	0	0.004672	-0.05316	0.051113	0.104272	1.271371
SEC16A	Protein transport p	0	-0.07106	-0.13804	-0.02957	0.108472	1.283724
HIST1H1C	Histone H1.2	0	0.190558	0.093272	0.202057	0.108784	1.284649
CCDC25	Coiled-coil domain	0	0.04691	-0.12886	-0.0171	0.111757	1.293471
DICER1	Endoribonuclease I	0	0.004565	0.021739	0.133689	0.11195	1.294047
RBM25	RNA-binding prote	0	0.002938	-0.02104	0.091044	0.112086	1.294453
CMTR1	Cap-specific mRNA	0	0.169363	0.029616	0.141773	0.112156	1.294662
USP10	Ubiquitin carboxyl	0	0.011516	-0.00037	0.112266	0.112633	1.296084
MAP3K4	Mitogen-activated	0	-0.03568	-0.08181	0.031451	0.113262	1.297961
RPS4Y1	40S ribosomal pro	0	0.049186	0.084809	0.198597	0.113788	1.299536
FLII	Protein flightless-1	0	0.004192	-0.02005	0.093783	0.113831	1.299663
FLG	Filaggrin	0	-0.14313	-0.08109	0.033994	0.115085	1.303422
FUS	RNA-binding prote	0	0.01634	-0.10297	0.012429	0.115396	1.304355
ARID1A	AT-rich interactive	0	0.013129	-0.10297	0.013734	0.116703	1.308288
SRP14	Signal recognition	0	0.581298	0.35925	0.47603	0.11678	1.308519
UGGT1	UDP-glucose:glyco	0	-0.00022	-0.03386	0.084545	0.118408	1.313435
CCT2	T-complex protein	0	-0.10469	-0.20152	-0.08288	0.118637	1.314125

AP2B1	AP-2 complex subu	0	0.035743	0.017618	0.136926	0.119308	1.316158
DHX15	Putative pre-mRNA	0	0.053191	-0.04278	0.076592	0.119368	1.316341
NGDN	Neuroguidin (Fragr	0	-0.04742	-0.04127	0.078462	0.119735	1.317454
NCBP1	Nuclear cap-bindir	0	0.1036	-0.00682	0.113665	0.120485	1.31973
YBX3	Y-box-binding prot	0	0.085436	-0.03584	0.085886	0.121726	1.323507
IGHA1	Ig alpha-1 chain C r	0	-0.00703	-0.03801	0.084113	0.122123	1.324715
SEC23B	Protein transport p	0	0.012449	-0.0383	0.083911	0.122215	1.324996
AP2A2	AP-2 complex subu	0	0.235233	0.168451	0.29095	0.122499	1.325864
CSF2RA	Isoform 2 of Granu	0	0.314757	0.014123	0.14005	0.125927	1.336372
POP1	Ribonucleases P/M	0	0.045311	0.00107	0.127827	0.126758	1.338929
FUBP3	Far upstream elem	0	0.064181	-0.05446	0.072963	0.127426	1.340993
DST	Dystonin	0	-0.09606	-0.12877	0.00215	0.130915	1.351808
HNRNPA0	Heterogeneous nuc	0	0.068681	-0.02543	0.105926	0.131359	1.35319
ESYT1	Extended synaptot	0	0.061947	-0.02316	0.108268	0.131428	1.353404
PRPF40A	Pre-mRNA-processi	0	-0.01242	-0.10692	0.024996	0.131918	1.354932
SORT1	Sortilin	0	-0.00324	-0.10815	0.023983	0.132137	1.355618
SLPI	Antileukoproteina:	0	0.03179	0.012172	0.145464	0.133292	1.359226
AGO3	Protein argonaute-	0	0.07494	-0.02225	0.111392	0.133637	1.360308
U2SURP	U2 snRNP-associat	0	-0.01704	-0.0548	0.082083	0.136881	1.370505
RPL28	60S ribosomal pro	0	0.007771	-0.06028	0.077008	0.137284	1.371778
ZNF609	Zinc finger protein	0	0.112828	-0.00084	0.137411	0.138248	1.374828
HYOU1	Hypoxia up-regulat	0	0.036508	-0.09192	0.049983	0.1419	1.386437
CSDE1	Cold shock domair	0	-0.03515	-0.00915	0.133015	0.142165	1.387284
FIBCD1	Fibrinogen C doma	0	0.160148	-0.14555	0.0015	0.147051	1.402978
HNRNPH3	Heterogeneous nuc	0	-0.0504	-0.09413	0.053624	0.147755	1.405253
ZNF746	Zinc finger protein	0	-0.0237	-0.04429	0.104116	0.14841	1.407376
DLD	Dihydrolipoyl dehy	0	-0.00326	-0.09743	0.051482	0.148909	1.408994
HSP90B1	Endoplasmic	0	-0.11414	-0.06474	0.086419	0.151159	1.416312
TUBA1C	Tubulin alpha-1C c	0	-0.02385	-0.06299	0.088872	0.151866	1.418621
DDX6	Probable ATP-depe	0	0.133036	-0.05856	0.093576	0.15214	1.419514
WDR44	WD repeat-contain	0	0.090915	0.00241	0.154684	0.152274	1.419954
KIF23	Kinesin-like protei	0	-0.00589	-0.10049	0.0535	0.153993	1.425586
NEMF	Nuclear export me	0	0.05887	-0.01365	0.141937	0.155585	1.430819
RPS27L	40S ribosomal pro	0	-0.01381	-0.04227	0.114884	0.157151	1.435989
BMS1	Ribosome biogene	0	0.146314	0.062439	0.220592	0.158153	1.439306
IMPDH2	Inosine-5'-monoph	0	0.033527	0.017604	0.175876	0.158273	1.439702
CLTC	Clathrin heavy chai	0	0.014646	-0.06603	0.097322	0.163356	1.456652
SYNCRIP	Heterogeneous nuc	0	0.129059	-0.01183	0.151647	0.163475	1.457053
CRBN	Protein cereblon (F	0	-0.16271	-0.16424	0.00565	0.169888	1.478727
SF3A1	Splicing factor 3A s	0	0.149809	-0.03573	0.13679	0.172524	1.487731
ANKHD1	Ankyrin repeat and	0	0.007966	-0.16361	0.011205	0.174817	1.495604
TNRC6A	Trinucleotide repe	0	0.001043	-0.05946	0.116685	0.176145	1.500187
ABCF1	ATP-binding casset	0	0.170499	0.040445	0.219707	0.179262	1.510991
YBX2	Y-box-binding prot	0	0.192925	0.004631	0.184031	0.1794	1.511472
HIST2H2BF	Histone H2B	0	0.554322	0.256142	0.436314	0.180172	1.514161
PSMD1	26S proteasome nc	0	0.102731	-0.00988	0.171527	0.181404	1.518464
CIRBP	Cold-inducible RN	0	0.046498	-0.03927	0.145608	0.18488	1.530664
CFB	Complement facto	0	-0.00659	-0.14818	0.037179	0.185362	1.532363
JUP	Junction plakoglo	0	0.104088	0.058636	0.246775	0.18814	1.542197
null	Ras-related protei	0		-0.1914		0.191398	1.553812
CTAGE5	cTAGE family mem	0	0.061842	-0.02775	0.166073	0.193819	1.562495
AHR	Aryl hydrocarbon r	0	0.12574	-0.00116	0.192713	0.193874	1.562693

MED31	Mediator of RNA pr	0	0.119266	-0.11829	0.076445	0.194737	1.565802
FXR2	Fragile X mental re	0	0.102717	-0.03725	0.158751	0.196001	1.570366
ZC3H7B	Zinc finger CCCH do	0	0.240521	0.191107	0.389776	0.198669	1.580045
MSI2	RNA-binding prote	0	0.22922	-0.02225	0.177261	0.199514	1.583122
POLR2B	DNA-directed RNA	0	-0.01032	-0.02401	0.176514	0.200526	1.586814
MTHFD1	C-1-tetrahydrofola	0	0.046472	-0.09794	0.103284	0.201224	1.589365
MVP	Major vault protein	0	0.077318	-0.08496	0.11747	0.202429	1.593783
DNAH14	Dynein heavy chain	0	-0.01983	-0.03346	0.169349	0.202809	1.595177
SEC13	Protein SEC13 hom	0	-0.00232	-0.04634	0.157698	0.204039	1.599702
MRPL52	39S ribosomal pro	0	-0.10107	-0.0459	0.159226	0.205126	1.603711
PLOD3	Procollagen-lysine	0	0.034809	-0.08099	0.126021	0.207016	1.610706
PSMD2	26S proteasome nc	0	0.018218	-0.16002	0.051909	0.211925	1.629014
CALCOCO2	Calcium-binding ar	0	0.209315	-0.03354	0.182258	0.215797	1.643605
PRPF19	Pre-mRNA-processi	0	0.10408	-0.05849	0.161274	0.219767	1.658696
STAU1	Double-stranded R	0	0.054397	-0.18739	0.034776	0.22217	1.667901
S100A9	Protein S100-A9	0	0.075274	0.034318	0.258271	0.223953	1.674762
EEF1D	Elongation factor 1	0	-0.38318	-0.31983	-0.09467	0.225155	1.679403
UGDH	UDP-glucose 6-deh	0	0.073464	-0.0466	0.18295	0.229548	1.696477
ABCC12	Isoform 5 of Multic	0	0.013087	-0.04344	0.186716	0.230153	1.698842
DRG1	Developmentally-r	0	0.030735	-0.06492	0.165686	0.230602	1.7006
U2AF2	Splicing factor U2A	0	-0.10708	-0.0794	0.151635	0.231034	1.702291
TRA2B	Transformer-2 prot	0	0.187954	0.019608	0.250766	0.231158	1.702776
MUL1	Mitochondrial ubi	0	0.138024	-0.03592	0.196494	0.232411	1.707697
ATPIF1	ATPase inhibitor	0	0.237965	0.083591	0.317264	0.233673	1.712669
EIF3B	Eukaryotic translat	0	0.079232	-0.055	0.18025	0.235255	1.718917
RPL35	60S ribosomal pro	0	0.932144	0.401013	0.639948	0.238935	1.733546
RTCB	tRNA-splicing ligas	0	0.113356	-0.07099	0.168171	0.239162	1.734449
RPL18A	60S ribosomal pro	0	-0.12156	-0.15853	0.080993	0.239525	1.735902
RPN1	Dolichyl-diphosph	0	-0.04132	-0.11795	0.12275	0.240703	1.740614
SRSF1	Serine/arginine-ric	0	-0.05114	-0.00244	0.244892	0.247336	1.767403
HNRNPR	Isoform 2 of Heterc	0	0.085311	-0.10837	0.139492	0.247864	1.769554
RECQL5	ATP-dependent DN	0	0.231387	-0.01469	0.237325	0.252015	1.78655
POLR2A	DNA-directed RNA	0	0.032088	-0.03817	0.216313	0.254479	1.796715
AGO1	Protein argonaute-	0	0.108796	-0.0612	0.200979	0.26218	1.828857
EFNA4	Ephrin-A4	0	0.032232	-0.13545	0.130577	0.266028	1.845136
SMG6	Telomerase-bindin	0	0.17771	0.028117	0.295837	0.26772	1.852335
CPSF2	Cleavage and polya	0	-0.03753	-0.02146	0.246265	0.267724	1.852356
G6PD	Glucose-6-phosph	0	0.145131	-0.03623	0.238869	0.275094	1.884059
UNC80	Protein unc-80 hor	0	0.013143	-0.05448	0.230895	0.285373	1.929181
CIR1	Corepressor intera	0	0.05765	-0.01248	0.274203	0.286684	1.935015
MYH9	Myosin-9	0	-0.17841	-0.38108	-0.08937	0.29171	1.957539
YTHDF2	YTH domain family	0	0.192649	0.024483	0.317903	0.29342	1.96526
DAP3	28S ribosomal pro	0	0.228435	-0.07105	0.227722	0.298768	1.989608
S100A7	Protein S100-A7	0	0.142002	0.003623	0.303384	0.29976	1.994161
AQR	Aquarius homolog	0	-0.10298	-0.11256	0.193034	0.30559	2.021108
RPS25	40S ribosomal pro	0	0.762533	0.34725	0.657856	0.310605	2.044586
S100A8	Protein S100-A8	0	0.145531	0.073297	0.415921	0.342624	2.201021
AP1B1	AP-1 complex subu	0		-0.04996	0.308498	0.358462	2.282769
CTNNB1	Catenin beta-1	0	0.061049	-0.02544	0.33761	0.363051	2.307016
FAM208B	Protein FAM208B	0	0.001429	-0.19601	0.190912	0.386922	2.437374
RPL9	60S ribosomal pro	0	-0.35539	-0.26731	0.125186	0.392499	2.468873
RPS17	40S ribosomal pro	0	0.691171	0.267415	0.699523	0.432108	2.704629

HIST1H1B	Histone H1.5	0	0.609961	-0.173	0.273284	0.446279	2.794338
PTBP3	Polypyrimidine tra	0	0.165339	-0.07318	0.400936	0.474111	2.979278
RBM3	Putative RNA-bindi	0	0.801874	0.590384	1.121307	0.530923	3.395652
RAP1GAP2	Rap1 GTPase-activ	0	0.084639	-0.00186	0.720687	0.722551	5.278989

TS vs. shNT estrogen