HA	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.996	0.998	0.997	0.998	0.998	0.998	0.998	0.997	0.999	0.998	0.997	0.999	0.998	0.998	0.998	0.998	0.998	0.998
1441	0.996	ID	0.996	0.998	0.996	0.996	0.998	0.998	0.998	0.997	0.995	0.997	0.997	0.996	0.996	0.996	0.995	0.996	0.997
1445	0.998	0.996	ID	0.997	0.998	0.998	0.998	0.998	0.997	0.999	0.999	0.997	0.999	0.998	1	0.998	0.999	0.998	0.999
1446	0.997	0.998	0.997	ID	0.997	0.997	0.999	0.999	0.999	0.998	0.997	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.998
1447	0.998	0.996	0.998	0.997	ID	0.998	0.998	0.998	0.997	0.999	0.998	0.997	0.999	0.998	0.998	0.998	0.998	0.998	0.999
1448	0.998	0.996	0.998	0.997	0.998	ID	0.998	0.998	0.997	0.999	0.998	0.997	0.999	0.998	0.998	1	0.998	0.998	0.999
1449	0.998	0.998	0.998	0.999	0.998	0.998	ID	1	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998
1452	0.998	0.998	0.998	0.999	0.998	0.998	1	ID	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998
1454	0.997	0.998	0.997	0.999	0.997	0.997	0.998	0.998	ID	0.997	0.996	0.997	0.997	0.997	0.997	0.997	0.996	0.997	0.997
1456	0.999	0.997	0.999	0.998	0.999	0.999	0.998	0.998	0.997	ID	0.998	0.997	1	0.999	0.999	0.999	0.998	0.999	1
1457	0.998	0.995	0.999	0.997	0.998	0.998	0.997	0.997	0.996	0.998	ID	0.996	0.998	0.998	0.998	0.998	1	0.998	0.998
1458	0.997	0.997	0.997	0.998	0.997	0.997	0.998	0.998	0.997	0.997	0.996	ID	0.997	0.997	0.997	0.997	0.996	0.997	0.997
2399	0.999	0.997	0.999	0.998	0.999	0.999	0.998	0.998	0.997	1	0.998	0.997	ID	0.999	0.999	0.999	0.998	0.999	1
2402	0.998	0.996	0.998	0.997	0.998	0.998	0.998	0.998	0.997	0.999	0.998	0.997	0.999	ID	0.998	0.998	0.998	0.998	0.999
2403	0.998	0.996	1	0.997	0.998	0.998	0.998	0.998	0.997	0.999	0.999	0.997	0.999	0.998	ID	0.998	0.999	0.998	0.999
2406	0.998	0.996	0.998	0.997	0.998	1	0.998	0.998	0.997	0.999	0.998	0.997	0.999	0.998	0.998	ID	0.998	0.998	0.999
2414	0.998	0.995	0.999	0.997	0.998	0.998	0.997	0.997	0.996	0.998	1	0.996	0.998	0.998	0.998	0.998	ID	0.998	0.998
2416	0.998	0.996	0.998	0.997	0.998	0.998	0.998	0.998	0.997	0.999	0.998	0.997	0.999	0.998	0.998	0.998	0.998	ID	0.999
2417	0.999	0.997	0.999	0.998	0.999	0.999	0.998	0.998	0.997	1	0.998	0.997	1	0.999	0.999	0.999	0.998	0.999	ID

PA	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.998	0.998	0.999	0.999	0.999	0.998	0.999	0.998	0.999	0.998	0.998	0.998	0.998	0.998	0.999	0.999	0.998	0.998
1441	0.998	ID	0.998	0.999	0.999	0.999	0.998	0.998	0.998	0.999	0.999	0.998	0.998	0.998	0.998	0.999	0.999	0.998	0.998
1445	0.998	0.998	ID	0.999	0.999	0.999	0.998	0.998	0.999	0.998	0.999	0.999	0.998	0.998	1	0.999	0.999	0.998	0.998
1446	0.999	0.999	0.999	ID	1	1	0.999	0.999	1	0.999	1	1	0.999	0.999	0.999	1	1	0.999	0.999
1447	0.999	0.999	0.999	1	ID	1	0.999	0.999	1	0.999	1	1	0.999	0.999	0.999	1	1	0.999	0.999
1448	0.999	0.999	0.999	1	1	ID	0.999	0.999	1	0.999	1	1	0.999	0.999	0.999	1	1	0.999	0.999
1449	0.998	0.998	0.998	0.999	0.999	0.999	ID	0.998	0.999	0.998	0.999	0.999	0.998	0.998	0.998	0.999	0.999	0.998	0.998
1452	0.999	0.998	0.998	0.999	0.999	0.999	0.998	ID	0.999	0.998	0.999	0.998	0.998	0.998	0.998	0.999	0.999	0.998	0.998
1454	0.999	0.999	0.999	1	1	1	0.999	0.999	ID	0.999	1	1	0.999	0.999	0.999	1	1	0.999	0.999
1456	0.998	0.998	0.998	0.999	0.999	0.999	0.998	0.998	0.999	ID	0.999	0.999	0.998	0.998	0.998	0.999	0.999	0.998	0.998
1457	0.999	0.999	0.999	1	1	1	0.999	0.999	1	0.999	ID	1	0.999	0.999	0.999	1	1	0.999	0.999
1458	0.999	0.999	0.999	1	1	1	0.999	0.999	1	0.999	1	ID	0.999	0.999	0.999	1	1	0.999	0.999
2399	0.998	0.998	0.998	0.999	0.999	0.999	0.998	0.998	0.999	0.999	0.999	0.999	ID	0.999	0.998	0.999	0.999	0.999	0.999
2402	0.998	0.998	0.998	0.999	0.999	0.999	0.998	0.998	0.999	0.999	0.999	0.999	0.999	ID	0.998	0.999	0.999	0.999	0.999
2403	0.998	0.998	1	0.999	0.999	0.999	0.998	0.998	0.999	0.998	0.999	0.998	0.998	0.998	ID	0.999	0.999	0.998	0.998
2406	0.999	0.999	0.999	1	1	1	0.999	0.999	1	0.999	1	1	0.999	0.999	0.999	ID	1	0.999	0.999
2414	0.999	0.999	0.999	1	1	1	0.999	0.999	1	0.999	1	1	0.999	0.999	0.999	1	ID	0.999	0.999
2416	0.998	0.998	0.998	0.999	0.999	0.999	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.999	0.999	ID	1
2417	0.998	0.998	0.998	0.999	0.999	0.999	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.999	1	1	ID

NA	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.998	0.998	0.997	0.998	0.998	0.997	0.997	0.998	0.998	0.997	0.998	0.997	0.998	0.998	0.998	0.997	0.998	0.998
1441	0.998	ID	1	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	1	1	1	1	1	1
1445	0.998	1	ID	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	1	1	1	0.998	1	1
1446	0.997	0.998	0.998	ID	0.998	0.998	0.997	0.997	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998
1447	0.998	1	1	0.998	ID	1	0.998	0.999	1	1	0.999	1	0.999	1	1	1	0.998	1	1
1448	0.998	1	1	0.998	1	ID	0.998	0.999	1	1	0.999	1	0.999	1	1	1	0.998	1	1
1449	0.997	0.998	0.998	0.997	0.998	0.998	ID	0.997	0.998	0.998	0.997	0.998	0.997	0.998	0.998	0.998	0.997	0.998	0.998
1452	0.997	0.999	0.999	0.997	0.999	0.999	0.997	ID	0.999	0.999	0.998	0.999	0.998	0.999	0.999	0.999	0.997	0.999	0.999
1454	0.998	1	1	0.998	1	1	0.998	0.999	ID	1	0.999	1	0.999	1	1	1	0.998	1	1
1456	0.998	1	1	0.998	1	1	0.998	0.999	1	ID	0.999	1	0.999	1	1	1	0.998	1	1
1457	0.997	0.999	0.999	0.997	0.999	0.999	0.997	0.998	0.999	0.999	ID	0.999	0.998	0.999	0.999	0.999	0.997	0.999	0.999
1458	0.998	1	1	0.998	1	1	0.998	0.999	1	1	0.999	ID	0.999	1	1	1	0.998	1	1
2399	0.997	0.999	0.999	0.997	0.999	0.999	0.997	0.998	0.999	0.999	0.998	0.999	ID	0.999	0.999	0.999	0.997	0.999	0.999
2402	0.998	1	1	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	ID	1	1	0.998	1	1
2403	0.998	1	1	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	1	ID	1	0.998	1	1
2406	0.998	1	1	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	1	1	ID	0.998	1	1
2414	0.997	0.998	0.998	0.997	0.998	0.998	0.997	0.997	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	ID	0.998	0.998
2416	0.998	1	1	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	1	1	1	0.998	ID	1
2417	0.998	1	1	0.998	1	1	0.998	0.999	1	1	0.999	1	0.999	1	1	1	0.998	1	ID

NP	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	1	1	0.999	1	1	1	1
1441	0.998	ID	0.998	1	0.998	0.998	0.999	1	1	0.998	0.998	1	0.998	0.998	0.998	0.998	0.998	0.998	0.998
1445	0.999	0.998	ID	0.998	0.998	0.999	0.997	0.998	0.998	0.999	0.998	0.999	0.999	0.999	1	0.999	0.999	0.999	0.999
1446	0.998	1	0.998	ID	0.998	0.998	0.999	1	0.998	0.998	1	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
1447	0.999	0.998	0.998	0.998	ID	0.999	0.997	0.998	0.998	0.999	0.998	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999
1448	1	0.998	0.999	0.998	0.998	ID	0.998	0.998	0.998	0.999	1	0.998	1	1	0.999	1	1	1	1
1449	0.998	0.999	0.997	0.999	0.997	0.998	ID	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998	0.998	0.998
1452	0.998	1	0.998	1	0.998	0.998	0.999	ID	1	0.998	0.998	1	0.998	0.998	0.998	0.998	0.998	0.998	0.998
1454	0.998	1	0.998	1	0.998	0.998	0.999	1	ID	0.998	0.998	1	0.998	0.998	0.998	0.998	0.998	0.998	0.998
1456	0.999	0.998	0.998	0.998	0.999	0.997	0.998	0.998	0.998	ID	0.999	0.998	0.999	0.999	0.998	0.999	0.999	0.999	0.999
1457	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	ID	0.998	1	1	0.999	1	1	1	1
1458	0.998	1	0.998	1	0.998	0.998	0.999	1	1	0.998	0.998	ID	0.998	0.998	0.998	0.998	0.998	0.998	0.998
2399	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	ID	1	0.999	1	1	1	1
2402	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	1	ID	0.999	1	1	1	1
2403	0.999	0.998	1	0.998	0.998	0.999	0.997	0.998	0.998	0.999	0.998	0.999	0.999	0.999	ID	0.999	0.999	0.999	0.999
2406	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	1	1	0.999	ID	1	1	1
2414	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	1	1	0.999	1	ID	1	1
2416	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	1	1	0.999	1	1	ID	1
2417	1	0.998	0.999	0.998	0.999	1	0.998	0.998	0.998	0.999	1	0.998	1	1	0.999	1	1	1	ID

PB2	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.998	0.999	0.998	0.999	0.999	0.999	0.999	0.998	0.999	0.998	0.999	0.998	0.994	0.999	0.999	0.998	0.999	0.999
1441	0.998	ID	0.999	1	0.999	0.998	0.999	0.999	0.999	0.998	0.998	0.999	0.998	0.993	0.999	0.998	0.998	0.999	0.999
1445	0.999	0.999	ID	0.999	1	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999	0.994	1	0.999	0.999	1	1
1446	0.998	1	0.999	ID	0.999	0.998	0.999	0.999	0.999	0.998	0.998	0.999	0.998	0.993	0.999	0.998	0.998	0.999	0.999
1447	0.999	0.999	1	0.999	ID	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999	0.994	1	0.999	0.999	1	1
1448	0.999	0.998	0.999	0.998	0.999	ID	0.999	0.999	0.998	1	0.998	0.999	1	0.994	0.999	1	0.998	0.999	0.999
1449	0.999	0.999	0.999	0.999	0.999	0.999	ID	1	0.999	0.999	0.998	1	0.999	0.994	0.999	0.999	0.998	0.999	0.999
1452	1	0.999	0.999	0.999	0.999	0.999	1	ID	0.999	0.999	0.998	1	0.999	0.994	0.999	0.999	0.998	0.999	0.999
1454	0.998	0.998	0.998	0.998	0.998	0.998	0.999	0.999	ID	0.998	0.997	0.999	0.998	0.993	0.998	0.998	0.997	0.998	0.998
1456	0.999	0.998	0.999	0.998	0.999	1	0.999	0.999	0.998	ID	0.998	0.999	1	0.994	0.999	1	0.998	0.999	0.999
1457	0.998	0.998	0.999	0.998	0.999	0.998	0.998	0.998	0.997	0.998	ID	0.998	0.998	0.993	0.999	0.998	1	0.999	0.999
1458	0.999	0.999	0.999	0.998	0.999	0.999	1	1	0.999	0.999	0.998	ID	0.998	0.994	0.999	0.999	0.998	0.999	0.999
2399	0.999	0.998	0.999	0.998	0.999	1	0.999	0.999	0.998	1	0.998	0.999	ID	0.994	0.999	1	0.998	0.999	0.999
2402	0.994	0.993	0.994	0.993	0.994	0.994	0.994	0.994	0.993	0.994	0.993	0.994	0.994	ID	0.994	0.994	0.993	0.994	0.994
2403	0.999	0.999	1	0.999	1	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999	0.994	ID	0.999	0.999	1	1
2406	0.998	0.999	0.998	0.999	0.999	1	0.999	0.999	0.998	1	0.998	0.999	1	0.994	0.999	ID	0.998	0.999	0.999
2414	0.998	0.998	0.999	0.998	0.999	0.998	0.998	0.998	0.997	0.998	1	0.998	0.998	0.993	0.999	0.998	ID	0.999	0.999
2416	0.999	1	0.999	1	0.999	0.999	0.999	0.998	0.999	0.999	0.998	0.999	0.999	0.994	1	0.999	0.999	ID	1
2417	0.999	0.999	1	0.999	1	0.999	0.999	0.999	0.998	0.999	0.999	0.999	0.999	0.994	1	0.999	0.999	1	ID

M	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	1	0.998	1	1	1	0.998	1	1	1	1	1	1	1	0.998	1	1	1	0.998
1441	1	ID	0.998	1	1	1	0.998	1	1	1	1	1	1	1	0.998	1	1	1	0.998
1445	0.998	0.998	ID	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.998	0.998	1	0.998	0.998	0.998	0.998	0.997
1446	1	1	0.998	ID	1	1	0.998	1	1	1	1	1	1	1	0.998	1	1	1	0.998
1447	1	1	0.998	1	ID	1	0.998	1	1	1	1	1	1	1	0.998	1	1	1	0.998
1448	1	1	0.998	1	1	ID	0.998	1	1	1	1	1	1	1	0.998	1	1	1	0.998
1449	0.998	0.998	0.997	0.998	0.998	0.998	ID	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998	0.998	0.997
1452	1	1	0.998	1	1	1	0.998	ID	1	1	1	1	1	1	0.998	1	1	1	0.998
1454	1	1	0.998	1	1	1	0.998	1	ID	1	1	1	1	1	0.998	1	1	1	0.998
1456	1	1	0.998	1	1	1	0.998	1	1	ID	1	1	1	1	0.998	1	1	1	0.998
1457	1	1	0.998	1	1	1	0.998	1	1	1	ID	1	1	1	0.998	1	1	1	0.998
1458	1	1	0.998	1	1	1	0.998	1	1	1	1	ID	1	1	0.998	1	1	1	0.998
2399	1	1	0.998	1	1	1	0.998	1	1	1	1	1	ID	1	0.998	1	1	1	0.998
2402	1	1	0.998	1	1	1	0.998	1	1	1	1	1	1	ID	0.998	1	1	1	0.998
2403	0.998	0.998	1	0.998	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.998	0.998	ID	0.998	0.998	0.998	0.997
2406	1	1	0.998	1	1	1	0.998	1	1	1	1	1	1	1	0.998	ID	1	1	0.998
2414	1	1	0.998	1	1	1	0.998	1	1	1	1	1	1	1	0.998	1	ID	1	0.998
2416	1	1	0.998	1	1	1	0.998	1	1	1	1	1	1	1	0.998	1	1	ID	0.998
2417	0.998	0.998	0.997	0.998	0.998	0.998	0.997	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998	0.998	ID

PB1	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.998	0.998	0.998
1441	0.998	ID	0.998	1	0.999	0.999	1	1	0.999	0.999	0.999	1	0.999	0.998	0.998	0.998	0.998	0.998	0.998
1445	0.998	0.998	ID	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.999	0.999	0.998	0.998	1	0.998	0.998	0.999	0.999
1446	0.998	1	0.998	ID	0.999	0.999	1	1	0.999	0.999	0.999	1	0.999	0.998	0.998	0.998	0.998	0.999	0.999
1447	0.998	0.999	0.999	0.999	ID	0.999	0.999	0.999	0.998	0.999	0.998	0.999	0.998	0.998	0.998	0.998	0.998	0.999	0.999
1448	0.998	0.999	0.999	0.999	0.999	ID	0.999	0.999	0.999	0.998	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.999	0.999
1449	0.998	1	0.999	1	0.999	0.999	ID	1	0.999	0.999	0.999	1	0.999	0.998	0.998	0.998	0.998	0.999	0.999
1452	0.998	1	0.999	1	0.999	0.999	1	ID	0.999	0.999	0.999	1	0.999	0.998	0.998	0.998	0.998	0.999	0.999
1454	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	ID	0.998	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.999	0.999
1456	0.998	0.998	0.998	0.998	0.999	0.998	0.998	0.998	0.998	ID	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.999	0.999
1457	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	ID	0.999	0.998	0.998	0.998	0.998	0.998	0.999	0.999
1458	0.998	1	0.999	1	0.999	0.999	1	1	0.999	0.999	0.999	ID	0.999	0.998	0.998	0.998	0.998	1	1
2399	0.998	0.999	0.998	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.999	ID	0.998	0.998	0.998	0.998	0.998	0.998
2402	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	ID	0.998	0.998	0.998	0.998	0.998
2403	0.998	0.999	1	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	ID	0.998	0.998	0.999	0.999
2406	0.997	0.999	0.998	0.999	0.998	0.999	0.999	0.998	0.998	0.998	0.998	0.999	0.998	0.998	0.998	ID	0.998	0.998	0.998
2414	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	ID	0.998	0.998
2416	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.999	0.998	0.998	0.998	0.998	0.998	ID	1
2417	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.999	0.998	0.998	0.998	0.998	0.998	1	ID

NS	1437	1441	1445	1446	1447	1448	1449	1452	1454	1456	1457	1458	2399	2402	2403	2406	2414	2416	2417
1437	ID	0.998	1	1	1	0.998	0.998	1	0.998	0.997	1	0.998	1	1	0.998	1	1	1	1
1441	0.998	ID	0.998	0.998	0.998	0.997	0.997	0.998	0.997	0.996	0.998	0.998	0.997	0.998	0.998	0.997	0.998	0.998	0.998
1445	1	0.998	ID	1	1	0.998	0.998	1	0.998	0.997	1	1	0.998	1	1	0.998	1	1	1
1446	1