

gagagccgacugaaacugaaagagagcagucuaaagacagucggguuacucgaaucuuacugucauggaggcgucucuucaugaugucuggccc

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|-----------------------------------|------|---|-----|
|ugucauggaggcgucucuu..... | 234 | 0 | bc4 |
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|ugucauggaggcgAucucuu..... | 1 | 1 | bc4 |
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|ugucauggaggGgcucucuu..... | 1 | 1 | bc4 |
|ugucauggaggcgucucuuAc..... | 1 | 1 | bc4 |
|ugucauggaggcgucucuu..... | 93 | 0 | bc4 |
|ugucauggagUcgucucuu..... | 78 | 1 | bc4 |
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|ugucauggGggcgucucuuca..... | 4 | 1 | bc4 |
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|ugucauggUggcgucucuuca..... | 1 | 1 | bc4 |
|ugucauggagAcgcucucuuca..... | 4 | 1 | bc4 |
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|ugucauggaggCcucucuuca..... | 2 | 1 | bc4 |
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|ugucauggaggcgucucuucaU..... | 77 | 1 | bc4 |
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|gucaugaggUcgucucuuca..... | 8 | 1 | bc4 |
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|auggagUcgucucuuca..... | 3 | 1 | bc4 |
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|agagagcagucuaaagacagu..... | 1 | 0 | bc1 |
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|cugucauggaggcgucucuuca..... | 2 | 0 | bc1 |
|cugucauggagUcgucucuuca..... | 5 | 1 | bc1 |
|ugucauggaggcgucuc..... | 4 | 0 | bc1 |
|ugucauggagUcgucuc..... | 5 | 1 | bc1 |
|ugucauggagUcgucucu..... | 6 | 1 | bc1 |
|ugucauggaggcgucucu..... | 24 | 0 | bc1 |
|ugucauggUggcgucucu..... | 2 | 1 | bc1 |
|ugGcauggaggcgucucu..... | 1 | 1 | bc1 |
|ugucauggaggcgucucu..... | 238 | 0 | bc1 |
|ugucauggagUcgucucu..... | 143 | 1 | bc1 |
|ugucauggaggcgucucuuc..... | 155 | 0 | bc1 |
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|ugucauggaggAgcucucuuca..... | 3 | 1 | bc1 |
|ugucauggagAcgucucuuca..... | 4 | 1 | bc1 |
|ugucauggaggcgucucuucC..... | 10 | 1 | bc1 |
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|ugucauggGggcgucucuuca..... | 6 | 1 | bc1 |
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|ugucauggaCggcgucucuuca..... | 2 | 1 | bc1 |
|ugucauggagCcgucucuuca..... | 13 | 1 | bc1 |
|ugucauggaggcgucucuucaA..... | 4 | 1 | bc1 |
|ugucauggaggcgucucuucaU..... | 99 | 1 | bc1 |
|ugucauggaggcgucucuucaC..... | 1 | 1 | bc1 |
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|gucauggagUcgucucuuca..... | 15 | 1 | bc1 |
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|gucauggaggcgucucuuca..... | 3 | 0 | bc1 |
|gucauggaggcgucucuucaU..... | 1 | 1 | bc1 |
|ucauggagUcgucucuuca..... | 1 | 1 | bc1 |
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|auggagUcgucucuuca..... | 2 | 1 | bc1 |
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|--|------|---|-----|
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|aagagagcagucuuGuugacagu..... | 1 | 1 | bc3 |
|aagagagcCgucuaauugacagu..... | 2684 | 1 | bc3 |
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|cugucauggaggcgucucuuuca..... | 2 | 0 | bc3 |
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|ugucauggagUcgcucuc..... | 15 | 1 | bc3 |
|ugucauggaggcgucucG..... | 1 | 1 | bc3 |
|ugucauggGggcgucuc..... | 1 | 1 | bc3 |
|ugucauggaggcgucucC..... | 1 | 1 | bc3 |
|ugucauggaggcgucuc..... | 74 | 0 | bc3 |
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|ugucauggGggcgucucuu..... | 2 | 1 | bc3 |
|ugUauggaggcgucucuu..... | 1 | 1 | bc3 |
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|ugucauggUggcgucucuu..... | 2 | 1 | bc3 |
|ugucauggagUcgcucucuu..... | 385 | 1 | bc3 |
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|ugucauggaggcgAcucuu..... | 1 | 1 | bc3 |
|ugucauggaggcgUucuu..... | 1 | 1 | bc3 |
|ugucauggCggcgucucuu..... | 1 | 1 | bc3 |
|ugucauggagUcgcucucuu..... | 172 | 1 | bc3 |
|ugucauggaggcgucucuu..... | 303 | 0 | bc3 |
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|ugAcauggaggcgucucuu..... | 1 | 1 | bc3 |
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|ugucaugUaggcgucucuuca..... | 1 | 1 | bc3 |
|ugucauggaggcgucucuuCca..... | 7 | 1 | bc3 |

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|ugucauggaggAgcucucuua..... | 6 | 1 | bc3 |
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|ugucauggaggcgucucuUa..... | 2 | 1 | bc3 |
|ugucauggaggUcucucuua..... | 2 | 1 | bc3 |
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|uAucauggaggcgucucuua..... | 3 | 1 | bc3 |
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|ugucauggaggcgucucuuaA..... | 13 | 1 | bc3 |
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|gcauggaggcgucucuuc..... | 1 | 0 | bc3 |
|gcauggaggcgucucuua..... | 8 | 0 | bc3 |
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|aagagagcagucuaauugacCgu..... | 1 | 1 | bc6 |
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|aagGgagcagucuaauugacaguc..... | 1 | 1 | bc6 |
|aagagagcCgucuaauugacaguc..... | 2869 | 1 | bc6 |
|aagagagcagucuaauugacagG..... | 10 | 1 | bc6 |
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|aagagagcagucuaauugacagucG..... | 1 | 1 | bc6 |
|aagagagcagucuaauugacagucA..... | 1 | 1 | bc6 |
|aagagagcagucuaauugacagucU..... | 39 | 1 | bc6 |
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|agagagcagucuaauugacag..... | 1 | 0 | bc6 |
|agagagcCgucuaauugacaguc..... | 15 | 1 | bc6 |
|agagagcagucuaauugacaguc..... | 5 | 0 | bc6 |
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|gagcagucuaauugacaguc..... | 11 | 0 | bc6 |
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|cugucauggaggcgucucuuucU..... | 1 | 1 | bc6 |
|cugucauggaggcgucucuuca..... | 4 | 0 | bc6 |
|cugucauggagUcgcucucuuca..... | 24 | 1 | bc6 |
|ugucauggaggcgucucuc..... | 8 | 0 | bc6 |
|ugucauggagUcgcucuc..... | 11 | 1 | bc6 |
|ugucauggaggcgucucuc..... | 94 | 0 | bc6 |
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|ugucauggaggGgcucucuc..... | 1 | 1 | bc6 |
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|ugucauggagUcgcucucuu..... | 417 | 1 | bc6 |
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|ugucauggagAagcgucucucuu..... | 2 | 1 | bc6 |
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|ugucauggaggcgucucuuU..... | 6 | 1 | bc6 |
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|ugucaCggaggcgucucuuca..... | 1 | 1 | bc6 |
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|ugucauggaggCccucucuuca..... | 4 | 1 | bc6 |
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|ugucauggaggAgcucucuua..... | 7 | 1 | bc6 |
|ugucauggaAlgccucucuua..... | 1 | 1 | bc6 |
|ugucauggaggcgCucucuua..... | 5 | 1 | bc6 |
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|ugucauggCggcgucucuua..... | 3 | 1 | bc6 |
|ugucauggaggcgucucuucC..... | 18 | 1 | bc6 |
|ugCcauggaggcgucucuua..... | 4 | 1 | bc6 |
|ugucauggaggcgucuuUuua..... | 4 | 1 | bc6 |
|ugucauggGggcgucucuua..... | 8 | 1 | bc6 |
|uguUauggaggcgucucuua..... | 1 | 1 | bc6 |
|ugucauggaggcgucucuGca..... | 3 | 1 | bc6 |
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|ugucauggaggcgucucuAa..... | 4 | 1 | bc6 |
|ugucaugCaggcgucucuua..... | 2 | 1 | bc6 |
|Cgucauggaggcgucucuua..... | 5 | 1 | bc6 |
|ugucauggaggcgcuAucuuua..... | 1 | 1 | bc6 |
|ugucauggaggcgucucuucG..... | 24 | 1 | bc6 |
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|ugucauggaggUgcucucuua..... | 6 | 1 | bc6 |
|ugucauGaggcgucucuua..... | 1 | 1 | bc6 |
|ugucauggaggcgucucuGuua..... | 3 | 1 | bc6 |
|ugucauggaggcgucucuCca..... | 20 | 1 | bc6 |
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|ugucauggaggcgAcucucuua..... | 1 | 1 | bc6 |
|ugucauggUggcgucucuua..... | 4 | 1 | bc6 |
|ugGcauggaggcgucucuua..... | 1 | 1 | bc6 |
|ugucauggaggcgucucCuca..... | 2 | 1 | bc6 |
|ugucauggagCgcucucuua..... | 26 | 1 | bc6 |
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|ugucGuggaggcgucucuua..... | 3 | 1 | bc6 |
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|ugucaugUaggcgucucuua..... | 2 | 1 | bc6 |
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|ugucauggagUcgucucuucag..... | 4 | 1 | bc6 |
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|ugucauggaggcgucucuuaU..... | 249 | 1 | bc6 |
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|gucauggagUcgucucuua..... | 31 | 1 | bc6 |
|gucauggaggcgucucuua..... | 10 | 0 | bc6 |
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|auggaggcgucucuua..... | 14 | 0 | bc6 |
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|aagagagcagAcuaauugacagu..... | 2 | 1 | bc5 |
|aagagaAcagucuaauugacagu..... | 1 | 1 | bc5 |

gagagccgacugaaacugaagagagcagucuaauugacagucgguuacucgaaucuuuacugucauggaggcgccucucuucagauaugucuggccc

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|aagagagcagucuaauCacagu..... | 1 | 1 | bc5 |
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|aagaUagcagucuaauugacagu..... | 1 | 1 | bc5 |
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|aagagagcaAucauugacagu..... | 1 | 1 | bc5 |
|aagagagcagucuaCugacagu..... | 2 | 1 | bc5 |
|aagagagcagucuaauugacaguU..... | 36 | 1 | bc5 |
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|cugucauggaggcgccucucuucU..... | 1 | 1 | bc5 |
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|ugucauggaggcgccucuAuuc..... | 1 | 1 | bc5 |

gagagccgacugaaacugaagagagcagucuaugacagucgguuacucgaaucuuacucugucauggaggcgucucuucagauaugucuggccc

| | | | |
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|ugucauggaggcgucucuCca..... | 17 | 1 | bc5 |
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|auggaggcgucucuua..... | 12 | 0 | bc5 |
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gagagccgacugaaacugaaagagagcagucuaauugacagucgguuacucgaaucuuacugucaugggaggcgucucuucaagaugaugucggccc

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|aagagagcCgucuaauugacagu..... | 1397 | 1 | bc2 |
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|cugucauggaggcgucucuuca..... | 3 | 0 | bc2 |
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|ugucauggaggcgucucuu..... | 391 | 0 | bc2 |
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|ugucauggGggcgucucuu..... | 1 | 1 | bc2 |
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|ugucauggaggUcgucucuu..... | 302 | 1 | bc2 |
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|ugucauggGggcgucucuu..... | 1 | 1 | bc2 |
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|ugucauggaggcgucucuGca..... | 3 | 1 | bc2 |

gagagccgacugaaacugaaagagagcagucuaugacagucgguuacucgaaucuuacugucauggaggcgucucuucaagaugaucuggccc

| | | | |
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|ugucauggaggcgcuUucuuca..... | 1 | 1 | bc2 |
|ugucaUauggaggcgucucuuca..... | 1 | 1 | bc2 |
|ugGcauggaggcgucucuuca..... | 1 | 1 | bc2 |
|ugucauggGggcgucucuuca..... | 4 | 1 | bc2 |
|ugucauggUggcgucucuuca..... | 1 | 1 | bc2 |
|Cgucauggaggcgucucuuca..... | 1 | 1 | bc2 |
|ugucauggaggAgcucucuuca..... | 2 | 1 | bc2 |
|ugucauggaggUcucucuuca..... | 3 | 1 | bc2 |
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|ugucauggaggcgucucuuucG..... | 6 | 1 | bc2 |
|ugucauggaggGaucucuuca..... | 2 | 1 | bc2 |
|ugucauggaggcgucucucCa..... | 3 | 1 | bc2 |
|ugucauggaggcgucucAuca..... | 1 | 1 | bc2 |
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|ugucauAaggaggcgucucuuca..... | 1 | 1 | bc2 |
|uguGauggaggcgucucuuca..... | 1 | 1 | bc2 |
|ugucCuggaggcgucucuuca..... | 1 | 1 | bc2 |
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|ugucauggaggcgucucuucaU..... | 129 | 1 | bc2 |
|ugucauggaggcgucucuucaA..... | 7 | 1 | bc2 |
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|gCcauggaggcgucucuuca..... | 1 | 1 | bc2 |
|gucauggagUcgucucuuca..... | 16 | 1 | bc2 |
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|auggagUcgucucuuca..... | 12 | 1 | bc2 |
|auggaggcgucucuuca..... | 3 | 0 | bc2 |
|Caagagagcagucuaugacagu..... | 1 | 1 | bc7 |
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|aagagagcagucuaugaca..... | 1 | 0 | bc7 |
|aagagagcCgucuaugacag..... | 226 | 1 | bc7 |
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|aagagagcagucuaugacagG..... | 3 | 1 | bc7 |
|aagagGgcagucuaugacagu..... | 1 | 1 | bc7 |
|aagagagcagucuaugacagu..... | 1 | 1 | bc7 |
|aagagagcagucuaugaUagu..... | 2 | 1 | bc7 |
|aagagagcGgucuaugacagu..... | 1 | 1 | bc7 |
|aagagagcagucuaugacaguc..... | 1 | 0 | bc7 |

gagagccgacugaaacugaaagagagcagucuaauugacagucgguuacCcgaaacuuuacugucauggaggcgucucuucaagaugucuggccc

| | | | |
|-------------------------------------|------|---|-----|
|aagagagcagucuaauugacaguA..... | 1 | 1 | bc7 |
|aagagagcagucuaauugacaguU..... | 25 | 1 | bc7 |
|aagagagcagucuaauugacaguUg..... | 1 | 1 | bc7 |
|agagagcCgucuaauugacag..... | 4 | 1 | bc7 |
|agagagcCgucuaauugacagu..... | 22 | 1 | bc7 |
|Aagagcagucuaauugacagu..... | 1 | 1 | bc7 |
|agagcCgucuaauugacagu..... | 1 | 1 | bc7 |
|gagcagucuaauugacagu..... | 11 | 0 | bc7 |
|gagcCgucuaauugacagu..... | 14 | 1 | bc7 |
|cgguuacCcgaaacuuuac..... | 1 | 1 | bc7 |
|cgguuacucgaaacuuuac..... | 1 | 0 | bc7 |
|cugucauggagUcgcucucuu..... | 2 | 1 | bc7 |
|cugucauggaggcgucucuu..... | 3 | 0 | bc7 |
|cugucauggaggcgucucuuca..... | 3 | 0 | bc7 |
|cugucauggaggcgucucuuU..... | 3 | 1 | bc7 |
|cugucauggagUcgcucucuuca..... | 19 | 1 | bc7 |
|ugucauggagUcgcucuc..... | 19 | 1 | bc7 |
|ugucauggaggcgucuc..... | 14 | 0 | bc7 |
|ugucauggaggcgcuUuc..... | 1 | 1 | bc7 |
|ugucauggaggcgucucG..... | 1 | 1 | bc7 |
|ugucauggaggcgCccuc..... | 1 | 1 | bc7 |
|ugucauggaggcgucucA..... | 1 | 1 | bc7 |
|ugucauggaggcgucucCcu..... | 1 | 1 | bc7 |
|ugucauggaggcgucuc..... | 198 | 0 | bc7 |
|ugucauggaggAgcucuc..... | 1 | 1 | bc7 |
|ugucauggagUcgcucuc..... | 66 | 1 | bc7 |
|ugucauggaggcgucuu..... | 1 | 1 | bc7 |
|uguGauggaggcgucucuu..... | 1 | 1 | bc7 |
|ugucauggagAcgucucuu..... | 1 | 1 | bc7 |
|ugucauggagUcgcucucuu..... | 819 | 1 | bc7 |
|ugucauggaggcgcuAucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgCccucuu..... | 1 | 1 | bc7 |
|ugucauggaggAgcucucuu..... | 2 | 1 | bc7 |
|ugucauggaggcgGucucuu..... | 1 | 1 | bc7 |
|ugucauggagCcgucucuu..... | 6 | 1 | bc7 |
|ugucauggUggcgucucuu..... | 4 | 1 | bc7 |
|uUucauggaggcgucucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuaA..... | 1 | 1 | bc7 |
|ugucauggaggCccucucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgUucucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuu..... | 1378 | 0 | bc7 |
|Cgucauggaggcgucucuu..... | 1 | 1 | bc7 |
|ugGcauggaggcgucucuu..... | 2 | 1 | bc7 |
|ugucauggaggGcgucucuu..... | 1 | 1 | bc7 |
|ugucaAaggaggcgucucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuuG..... | 3 | 1 | bc7 |
|ugucauggaggcgAucucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuu..... | 579 | 0 | bc7 |
|ugGcauggaggcgucucuu..... | 1 | 1 | bc7 |
|ugCcauggaggcgucucuu..... | 1 | 1 | bc7 |
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|ugucauggUggcgucucuu..... | 1 | 1 | bc7 |
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|Agucauggaggcgucucuu..... | 1 | 1 | bc7 |
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|ugucauggaggcgcuUucuu..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuuU..... | 10 | 1 | bc7 |
|ugucauggagUcgcucucuu..... | 349 | 1 | bc7 |
|ugucauggaggcgucAucuu..... | 1 | 1 | bc7 |
|ugucauggCggcgucucuu..... | 1 | 1 | bc7 |
|ugucGuggaggcgucucuuca..... | 6 | 1 | bc7 |
|ugucauggaggcgAucucuuca..... | 3 | 1 | bc7 |
|ugucauggaUcgcucucuuca..... | 1 | 1 | bc7 |
|ugucauggaggGcgucucuuca..... | 13 | 1 | bc7 |
|ugucaCggaggcgucucuuca..... | 2 | 1 | bc7 |
|ugucauggaggcUucucuuca..... | 3 | 1 | bc7 |
|ugucauggaggcgucucuuC..... | 13 | 1 | bc7 |
|ugucauggaggcgcuAucuuca..... | 6 | 1 | bc7 |

gagagccgacugaaacugaaagagagcagucuaugacagucgguuacucgaaucuuacugucauggaggcgucucuucagaugaugucuggccc

| | | | |
|------------------------------------|-------|---|-----|
|ugucauggagCcgucucuua..... | 49 | 1 | bc7 |
|ugucauggaggcgucucuCca..... | 22 | 1 | bc7 |
|uguaAuggaggcgucucuua..... | 1 | 1 | bc7 |
|ugGcauggaggcgucucuua..... | 7 | 1 | bc7 |
|ugucauggaggcgucucuGcuua..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuCuca..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuGucuua..... | 1 | 1 | bc7 |
|ugucauggaggcCucucuua..... | 1 | 1 | bc7 |
|ugucauggaggcgcAcucuua..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuUuua..... | 4 | 1 | bc7 |
|ugucauGaggcgucucuua..... | 1 | 1 | bc7 |
|ugCcauggaggcgucucuua..... | 1 | 1 | bc7 |
|ugucauAaggcgucucuua..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuAca..... | 5 | 1 | bc7 |
|uguuAuggaggcgucucuua..... | 3 | 1 | bc7 |
|ugucauggaggcgUucucuua..... | 2 | 1 | bc7 |
|ugucauggagUcgucucuua..... | 19121 | 1 | bc7 |
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|ugucauggaggcgcCcuua..... | 2 | 1 | bc7 |
|ugucauggaggcgucucuuaAa..... | 7 | 1 | bc7 |
|ugucauggaggcgucucuucG..... | 18 | 1 | bc7 |
|ugucaGgaggcgucucuua..... | 1 | 1 | bc7 |
|ugucaugAaggcgucucuua..... | 2 | 1 | bc7 |
|ugucauggaggcgucucuUuua..... | 1 | 1 | bc7 |
|ugucauggaCgucucuua..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuua..... | 6267 | 0 | bc7 |
|ugucauggagAcgucucuua..... | 16 | 1 | bc7 |
|ugucauggaggcgucucuucU..... | 1349 | 1 | bc7 |
|ugucauggaggcgucucuuaGa..... | 2 | 1 | bc7 |
|ugucauggaggcAcucuua..... | 4 | 1 | bc7 |
|uAucauggaggcgucucuua..... | 2 | 1 | bc7 |
|ugucauggGggcgucucuua..... | 6 | 1 | bc7 |
|ugucauggaggUgcucuua..... | 3 | 1 | bc7 |
|ugucauggaggcgucucuUa..... | 2 | 1 | bc7 |
|Cgucauggaggcgucucuua..... | 5 | 1 | bc7 |
|ugucauggaggcgucucuAuua..... | 2 | 1 | bc7 |
|ugucauggaggAgcucuua..... | 4 | 1 | bc7 |
|ugucCuggaggcgucucuua..... | 1 | 1 | bc7 |
|Ggucauggaggcgucucuua..... | 4 | 1 | bc7 |
|ugucaugCaggcgucucuua..... | 2 | 1 | bc7 |
|ugucauggCggcgucucuua..... | 1 | 1 | bc7 |
|ugucauggUggcgucucuua..... | 10 | 1 | bc7 |
|ugucauggagUcgucucuucag..... | 1 | 1 | bc7 |
|ugucauggaggcgucucuucag..... | 2 | 0 | bc7 |
|ugucauggaggcgucucuuaU..... | 364 | 1 | bc7 |
|ugucauggaggcgucucuuaA..... | 13 | 1 | bc7 |
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|ugucauggaggcgucucuuaCa..... | 1 | 1 | bc7 |
|gucauggaggcgucucuuc..... | 1 | 0 | bc7 |
|gucauggagUcgucucuua..... | 27 | 1 | bc7 |
|gucauggaggcgucucuucU..... | 4 | 1 | bc7 |
|gucauggaggcgucucuCca..... | 1 | 1 | bc7 |
|gucauggaggcgucucuua..... | 16 | 0 | bc7 |
|ucauggaggcgucucuua..... | 1 | 0 | bc7 |
|ucauggagUcgucucuua..... | 1 | 1 | bc7 |
|ucauggagAcgucucuua..... | 1 | 1 | bc7 |
|cauggaggcgucucuua..... | 1 | 0 | bc7 |
|cauggagUcgucucuua..... | 1 | 1 | bc7 |
|auggagUcgucucuua..... | 19 | 1 | bc7 |
|auggaggcgucucuua..... | 15 | 0 | bc7 |