

Άγγελος Μωραΐτης

inf2021163

περιγραφή κάθε συνάρτησής:

`fgetc(FILE *fp):`

παίρνει έναν χαρακτήρα από το αρχείο με pointer fp

`ftell(FILE *fp):`

δείχνει την θέση του δέκτη στο αρχείο file pointer fp

`feof(FILE *fp)`

διαβάζει αν βρει το EOF στο αρχείο που διαβάζει με file pointer fp και επιστρέφει μη αρνητική τιμή αν επιχειρηθεί δραστηριότητά μετά το τέλος του αρχείου

`*fp = fopen(filename, "mode");`

ανοίγει το αρχείο στο mode που θα επιλέξει ο προγραμματιστής

`fclose(FILE *fp):`

κλείνει το αρχείο από το πρόγραμμα

### Αποτελέσματα:

1. triplet tga->[800000, 810000]
2. triplet tga->[2510000, 2520000]

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1. Found triplet in position 800074-800076  
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1. Found triplet in position 800093-800095  
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1. Found triplet in position 800131-800133  
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1. Found triplet in position 800222-800224  
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1. Found triplet in position 800330-800332  
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1. Found triplet in position 800381-800383  
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1. Found triplet in position 800399-800401  
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1. Found triplet in position 800468-800470  
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1. Found triplet in position 800556-800558  
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1. Found triplet in position 800609-800611  
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1. Found triplet in position 800655-800657  
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1. Found triplet in position 800702-800704  
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1. Found triplet in position 800753-800755  
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1. Found triplet in position 800800-800802  
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1. Found triplet in position 800860-800862  
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1. Found triplet in position 800919-800921  
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1. Found triplet in position 800929-800931  
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1. Found triplet in position 800939-800941  
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1. Found triplet in position 801079-801081  
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1. Found triplet in position 801127-801129  
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1. Found triplet in position 801191-801193  
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1. Found triplet in position 801217-801219  
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1. Found triplet in position 801250-801252  
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1. Found triplet in position 801316-801318  
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1. Found triplet in position 801357-801359  
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1. Found triplet in position 801377-801379  
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1. Found triplet in position 801448-801450  
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1. Found triplet in position 801453-801455  
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1. Found triplet in position 801515-801517  
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1. Found triplet in position 801518-801520  
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1. Found triplet in position 801544-801546  
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1. Found triplet in position 801559-801561  
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1. Found triplet in position 801577-801579  
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1. Found triplet in position 801592-801594  
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1. Found triplet in position 801661-801663  
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1. Found triplet in position 801664-801666  
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1. Found triplet in position 801790-801792  
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1. Found triplet in position 801842-801844  
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1. Found triplet in position 801879-801881  
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1. Found triplet in position 801938-801940  
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1. Found triplet in position 802055-802057  
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1. Found triplet in position 802116-802118  
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1. Found triplet in position 802162-802164  
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1. Found triplet in position 802379-802381  
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1. Found triplet in position 802397-802399  
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1. Found triplet in position 802416-802418  
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1. Found triplet in position 802448-802450  
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1. Found triplet in position 802497-802499  
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1. Found triplet in position 802530-802532  
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1. Found triplet in position 802628-802630  
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1. Found triplet in position 802661-802663  
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1. Found triplet in position 802793-802795  
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1. Found triplet in position 802869-802871  
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1. Found triplet in position 802956-802958  
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1. Found triplet in position 803015-803017  
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1. Found triplet in position 803061-803063  
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1. Found triplet in position 803115-803117  
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1. Found triplet in position 803232-803234  
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1. Found triplet in position 803237-803239  
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1. Found triplet in position 803358-803360  
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1. Found triplet in position 803394-803396  
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1. Found triplet in position 803432-803434  
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1. Found triplet in position 803535-803537  
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1. Found triplet in position 803728-803730  
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1. Found triplet in position 803782-803784  
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1. Found triplet in position 803853-803855  
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1. Found triplet in position 803862-803864  
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1. Found triplet in position 803897-803899  
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1. Found triplet in position 803961-803963  
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1. Found triplet in position 804045-804047  
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1. Found triplet in position 804162-804164  
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1. Found triplet in position 804165-804167  
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1. Found triplet in position 804215-804217  
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1. Found triplet in position 804220-804222  
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1. Found triplet in position 804382-804384  
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1. Found triplet in position 804463-804465  
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1. Found triplet in position 804505-804507  
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1. Found triplet in position 804547-804549  
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1. Found triplet in position 804622-804624  
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1. Found triplet in position 804640-804642  
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1. Found triplet in position 804784-804786  
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1. Found triplet in position 804817-804819  
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1. Found triplet in position 804850-804852  
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1. Found triplet in position 804872-804874  
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1. Found triplet in position 804884-804886  
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1. Found triplet in position 804889-804891  
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1. Found triplet in position 804953-804955  
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1. Found triplet in position 804992-804994  
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1. Found triplet in position 804997-804999  
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1. Found triplet in position 805049-805051  
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1. Found triplet in position 805081-805083  
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1. Found triplet in position 805117-805119  
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1. Found triplet in position 805121-805123  
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1. Found triplet in position 805132-805134  
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1. Found triplet in position 805148-805150  
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1. Found triplet in position 805235-805237  
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1. Found triplet in position 805276-805278  
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1. Found triplet in position 805327-805329  
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1. Found triplet in position 805340-805342  
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1. Found triplet in position 805373-805375  
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1. Found triplet in position 805463-805465  
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1. Found triplet in position 805501-805503  
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1. Found triplet in position 805573-805575  
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1. Found triplet in position 805840-805842  
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1. Found triplet in position 805864-805866  
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1. Found triplet in position 805898-805900  
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1. Found triplet in position 805918-805920  
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1. Found triplet in position 805940-805942  
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1. Found triplet in position 805964-805966  
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1. Found triplet in position 806027-806029  
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1. Found triplet in position 806039-806041  
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1. Found triplet in position 806266-806268  
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1. Found triplet in position 806276-806278  
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1. Found triplet in position 806449-806451  
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1. Found triplet in position 806459-806461  
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1. Found triplet in position 806509-806511  
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1. Found triplet in position 806516-806518  
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1. Found triplet in position 806521-806523  
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1. Found triplet in position 806539-806541  
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1. Found triplet in position 806542-806544  
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1. Found triplet in position 806615-806617  
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1. Found triplet in position 806620-806622  
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1. Found triplet in position 806762-806764  
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1. Found triplet in position 806787-806789  
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1. Found triplet in position 806831-806833  
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1. Found triplet in position 806857-806859  
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1. Found triplet in position 806882-806884  
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1. Found triplet in position 806987-806989  
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1. Found triplet in position 806994-806996  
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1. Found triplet in position 807041-807043  
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1. Found triplet in position 807083-807085  
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1. Found triplet in position 807104-807106  
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1. Found triplet in position 807266-807268  
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1. Found triplet in position 807324-807326  
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1. Found triplet in position 807492-807494  
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1. Found triplet in position 807516-807518  
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1. Found triplet in position 807629-807631  
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1. Found triplet in position 807668-807670  
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1. Found triplet in position 807794-807796  
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1. Found triplet in position 807827-807829  
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1. Found triplet in position 808058-808060  
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1. Found triplet in position 808079-808081  
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1. Found triplet in position 808104-808106  
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1. Found triplet in position 808174-808176  
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1. Found triplet in position 808268-808270  
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1. Found triplet in position 808391-808393  
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1. Found triplet in position 808427-808429  
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1. Found triplet in position 808467-808469  
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1. Found triplet in position 808511-808513  
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1. Found triplet in position 808622-808624  
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1. Found triplet in position 808635-808637  
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1. Found triplet in position 808742-808744  
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1. Found triplet in position 808764-808766  
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1. Found triplet in position 808866-808868  
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1. Found triplet in position 808923-808925  
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1. Found triplet in position 808946-808948  
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1. Found triplet in position 808956-808958  
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1. Found triplet in position 809034-809036  
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1. Found triplet in position 809039-809041  
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1. Found triplet in position 809042-809044  
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1. Found triplet in position 809087-809089  
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1. Found triplet in position 809121-809123  
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1. Found triplet in position 809145-809147  
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1. Found triplet in position 809252-809254  
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1. Found triplet in position 809298-809300  
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1. Found triplet in position 809367-809369  
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1. Found triplet in position 809387-809389  
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1. Found triplet in position 809534-809536  
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1. Found triplet in position 809618-809620  
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1. Found triplet in position 809726-809728  
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1. Found triplet in position 809735-809737  
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1. Found triplet in position 809759-809761  
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1. Found triplet in position 809771-809773  
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1. Found triplet in position 809844-809846  
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1. Found triplet in position 809867-809869  
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1. Found triplet in position 809969-809971  
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1. Found triplet in position 809973-809975  
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1. Found triplet in position 809985-809987  
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2. Found triplet in position 2510089-2510091  
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2. Found triplet in position 2510092-2510094  
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2. Found triplet in position 2510121-2510123  
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2. Found triplet in position 2510152-2510154  
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2. Found triplet in position 2510284-2510286  
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2. Found triplet in position 2510356-2510358  
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2. Found triplet in position 2510361-2510363  
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2. Found triplet in position 2510442-2510444  
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2. Found triplet in position 2510469-2510471  
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2. Found triplet in position 2510556-2510558  
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2. Found triplet in position 2510562-2510564  
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2. Found triplet in position 2510580-2510582  
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2. Found triplet in position 2510614-2510616  
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2. Found triplet in position 2510721-2510723  
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2. Found triplet in position 2510769-2510771  
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2. Found triplet in position 2510793-2510795  
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2. Found triplet in position 2510824-2510826  
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2. Found triplet in position 2510854-2510856  
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2. Found triplet in position 2510874-2510876  
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2. Found triplet in position 2510916-2510918  
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2. Found triplet in position 2510950-2510952  
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2. Found triplet in position 2511073-2511075  
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2. Found triplet in position 2511142-2511144  
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2. Found triplet in position 2511254-2511256  
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2. Found triplet in position 2511290-2511292  
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2. Found triplet in position 2511355-2511357  
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2. Found triplet in position 2511380-2511382  
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2. Found triplet in position 2511391-2511393  
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2. Found triplet in position 2511670-2511672  
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2. Found triplet in position 2511730-2511732  
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2. Found triplet in position 2511782-2511784  
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2. Found triplet in position 2511806-2511808  
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2. Found triplet in position 2511895-2511897  
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2. Found triplet in position 2511916-2511918  
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2. Found triplet in position 2511920-2511922  
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2. Found triplet in position 2511975-2511977  
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2. Found triplet in position 2512055-2512057  
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2. Found triplet in position 2512098-2512100  
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2. Found triplet in position 2512134-2512136  
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2. Found triplet in position 2512174-2512176  
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2. Found triplet in position 2512194-2512196  
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2. Found triplet in position 2512258-2512260  
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2. Found triplet in position 2512496-2512498  
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2. Found triplet in position 2512508-2512510  
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2. Found triplet in position 2512514-2512516  
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2. Found triplet in position 2512522-2512524  
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2. Found triplet in position 2512578-2512580  
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2. Found triplet in position 2512652-2512654  
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2. Found triplet in position 2512769-2512771  
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2. Found triplet in position 2512825-2512827  
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2. Found triplet in position 2512831-2512833  
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2. Found triplet in position 2512847-2512849  
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2. Found triplet in position 2512895-2512897  
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2. Found triplet in position 2512919-2512921  
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2. Found triplet in position 2512967-2512969  
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2. Found triplet in position 2513124-2513126  
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2. Found triplet in position 2513128-2513130  
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2. Found triplet in position 2513150-2513152  
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2. Found triplet in position 2513207-2513209  
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2. Found triplet in position 2513248-2513250  
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2. Found triplet in position 2513548-2513550  
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2. Found triplet in position 2513595-2513597  
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2. Found triplet in position 2513602-2513604  
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2. Found triplet in position 2513730-2513732  
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2. Found triplet in position 2513819-2513821  
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2. Found triplet in position 2513856-2513858  
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2. Found triplet in position 2513884-2513886  
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2. Found triplet in position 2513935-2513937  
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2. Found triplet in position 2513958-2513960  
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2. Found triplet in position 2513970-2513972  
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2. Found triplet in position 2514146-2514148  
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2. Found triplet in position 2514186-2514188  
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2. Found triplet in position 2514225-2514227  
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2. Found triplet in position 2514251-2514253  
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2. Found triplet in position 2514291-2514293  
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2. Found triplet in position 2514323-2514325  
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2. Found triplet in position 2514352-2514354  
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2. Found triplet in position 2514413-2514415  
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2. Found triplet in position 2514491-2514493  
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2. Found triplet in position 2514535-2514537  
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2. Found triplet in position 2514601-2514603  
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2. Found triplet in position 2514697-2514699  
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2. Found triplet in position 2514711-2514713  
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2. Found triplet in position 2514721-2514723  
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2. Found triplet in position 2514730-2514732  
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2. Found triplet in position 2514787-2514789  
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2. Found triplet in position 2514907-2514909  
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2. Found triplet in position 2514970-2514972  
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2. Found triplet in position 2514973-2514975  
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2. Found triplet in position 2515012-2515014  
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2. Found triplet in position 2515029-2515031  
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2. Found triplet in position 2515040-2515042  
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2. Found triplet in position 2515103-2515105  
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2. Found triplet in position 2515117-2515119  
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2. Found triplet in position 2515123-2515125  
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2. Found triplet in position 2515225-2515227  
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2. Found triplet in position 2515276-2515278  
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2. Found triplet in position 2515326-2515328  
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2. Found triplet in position 2515335-2515337  
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2. Found triplet in position 2515384-2515386  
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2. Found triplet in position 2515473-2515475  
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2. Found triplet in position 2515486-2515488  
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2. Found triplet in position 2515539-2515541  
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2. Found triplet in position 2515567-2515569  
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2. Found triplet in position 2515575-2515577  
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2. Found triplet in position 2515602-2515604  
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2. Found triplet in position 2515779-2515781  
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2. Found triplet in position 2515807-2515809  
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2. Found triplet in position 2515869-2515871  
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2. Found triplet in position 2515959-2515961  
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2. Found triplet in position 2515968-2515970  
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2. Found triplet in position 2515992-2515994  
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2. Found triplet in position 2516002-2516004  
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2. Found triplet in position 2516044-2516046  
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2. Found triplet in position 2516050-2516052  
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2. Found triplet in position 2516082-2516084  
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2. Found triplet in position 2516085-2516087  
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2. Found triplet in position 2516088-2516090  
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2. Found triplet in position 2516229-2516231  
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2. Found triplet in position 2516263-2516265  
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2. Found triplet in position 2516295-2516297  
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2. Found triplet in position 2516298-2516300  
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2. Found triplet in position 2516382-2516384  
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2. Found triplet in position 2516542-2516544  
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2. Found triplet in position 2516608-2516610  
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2. Found triplet in position 2516683-2516685  
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2. Found triplet in position 2516746-2516748  
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2. Found triplet in position 2516796-2516798  
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2. Found triplet in position 2516978-2516980  
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2. Found triplet in position 2516987-2516989  
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2. Found triplet in position 2517069-2517071  
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2. Found triplet in position 2517153-2517155  
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2. Found triplet in position 2517201-2517203  
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2. Found triplet in position 2517207-2517209  
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2. Found triplet in position 2517277-2517279  
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2. Found triplet in position 2517541-2517543  
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2. Found triplet in position 2517569-2517571  
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2. Found triplet in position 2517680-2517682  
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2. Found triplet in position 2517719-2517721  
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2. Found triplet in position 2517747-2517749  
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2. Found triplet in position 2517753-2517755  
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2. Found triplet in position 2517814-2517816  
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2. Found triplet in position 2517830-2517832  
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2. Found triplet in position 2517834-2517836  
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2. Found triplet in position 2517890-2517892  
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2. Found triplet in position 2517913-2517915  
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2. Found triplet in position 2517941-2517943  
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2. Found triplet in position 2518069-2518071  
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2. Found triplet in position 2518263-2518265  
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2. Found triplet in position 2518279-2518281  
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2. Found triplet in position 2518374-2518376  
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2. Found triplet in position 2518594-2518596  
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2. Found triplet in position 2518679-2518681  
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2. Found triplet in position 2518743-2518745  
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2. Found triplet in position 2518829-2518831  
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2. Found triplet in position 2518900-2518902  
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2. Found triplet in position 2518908-2518910  
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2. Found triplet in position 2518916-2518918  
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2. Found triplet in position 2518937-2518939  
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2. Found triplet in position 2519016-2519018  
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2. Found triplet in position 2519020-2519022  
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2. Found triplet in position 2519059-2519061  
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2. Found triplet in position 2519079-2519081  
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2. Found triplet in position 2519090-2519092  
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2. Found triplet in position 2519137-2519139  
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2. Found triplet in position 2519158-2519160  
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2. Found triplet in position 2519219-2519221  
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2. Found triplet in position 2519261-2519263  
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2. Found triplet in position 2519303-2519305  
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2. Found triplet in position 2519338-2519340  
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2. Found triplet in position 2519372-2519374  
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2. Found triplet in position 2519392-2519394  
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2. Found triplet in position 2519411-2519413  
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2. Found triplet in position 2519452-2519454  
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2. Found triplet in position 2519495-2519497  
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2. Found triplet in position 2519580-2519582  
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2. Found triplet in position 2519650-2519652  
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2. Found triplet in position 2519682-2519684  
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2. Found triplet in position 2519741-2519743  
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2. Found triplet in position 2519816-2519818  
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2. Found triplet in position 2519819-2519821  
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2. Found triplet in position 2519912-2519914  
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2. Found triplet in position 2519977-2519979  
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a data base is: 24.898

c data base is: 25.446

g data base is: 25.147

t data base is: 24.509  
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number of bases acgt between 2 ttggat data base from [800000, 810000] is:  
1896

c = 4520022 all\_acgt = 4520022 off\_by = 0

### Συμπεράσματα:

Η εργασία ήταν απαιτητική, μου πήρε αρκετές μέρες για την επίλυσή της και μου κίνησε πολύ το ενδιαφέρον.