Mandatory Project - 2:

SkipList and TreeMap

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Report :

Analysis of SkipList and TreeMap considering only Add , Remove, Contains operations:

|  |  |  |
| --- | --- | --- |
|  | SkipList(msec) | TreeMap (msec) |
| a1 | 7 | 7 |
| a2 | 9 | 8 |
| a3 | 14 | 14 |
| a4 | 42 | 44 |
| a5 | 117 | 104 |
| a6 | 362 | 368 |
| a7 | 431 | 446 |
| a8 | 2984 | 2064 |
| a9 | 2974 | 2173 |
| b1 | 7 | 10 |
| b2 | 10 | 13 |
| b3 | 13 | 18 |
| b4 | 33 | 34 |
| b5 | 121 | 137 |
| b6 | 335 | 361 |
| b7 | 484 | 482 |
| b8 | 3260 | 2376 |