Assignment Lab 1

This is the output data of the assignment1 project

Insertion(I) and Deletion(D) average time in nano second:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| i | Cuck I | Cuck D | Quad I | Quad D | SCh I | SCh D |
| 1 | 319779 | 1268865 | 47119 | 5717 | 162255 | 5323 |
| 2 | 94435 | 93055 | 2365 | 2365 | 3351 | 1380 |
| 3 | 852432 | 21292 | 1626 | 985 | 2365 | 1183 |
| 4 | 26664 | 156414 | 2267 | 3425 | 5840 | 1010 |
| 5 | 17164 | 22179 | 998 | 1145 | 1429 | 800 |
| 6 | 14311 | 13202 | 2156 | 3696 | 1632 | 702 |
| 7 | 17145 | 22481 | 12540 | 985 | 22333 | 449 |
| 8 | 63203 | 14733 | 1534 | 1209 | 3200 | 706 |
| 9 | 7465 | 10077 | 1256 | 466 | 7510 | 315 |
| 10 | 7844 | 8012 | 2562 | 331 | 2496 | 350 |
| 11 | 9736 | 8894 | 1054 | 231 | 3356 | 341 |
| 12 | 18295 | 9011 | 720 | 222 | 2104 | 274 |
| 13 | 14260 | 10646 | 762 | 203 | 2844 | 307 |
| 14 | 18422 | 11844 | 459 | 215 | 779 | 269 |
| 15 | 23989 | 13068 | 464 | 241 | 1115 | 322 |
| 16 | 32834 | 15118 | 1224 | 213 | 1965 | 254 |
| 17 | 22597 | 18637 | 1128 | 230 | 1351 | 234 |
| 18 | 26485 | 18343 | 894 | 236 | 1100 | 244 |
| 19 | 41665 | 22487 | 1075 | 287 | 1840 | 251 |
| 20 | 55114 | 25591 | 1223 | 306 | 1787 | 277 |

Cuck I: Cuckoo Insertion average time, likewise for Quad I and SCh I.

Cuck D: Cuckoo Deletion average time, likewise for Quad D and SCh D.