# Name Jihyo Kim

# ID A01017545

# Lab 7 results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input file** | **Declared size of hash table array** | **Hash function H1 #collisions** | **Hash function H2 #collisions** | **Hash function H3 #collisions** |
| 37\_names.txt | 37 | 12 | 17 | 17 |
| 37\_names.txt | 74 | 8 | 10 | 11 |
| 37\_names.txt | 185 | 6 | 9 | 6 |
| 37\_names.txt | 370 | 6 | 5 | 2 |
| 333\_names.txt | 333 | 252 | 148 | 110 |
| 333\_names.txt | 666 | 252 | 104 | 66 |
| 333\_names.txt | 1665 | 252 | 81 | 36 |
| 333\_names.txt | 3330 | 252 | 74 | 25 |
| 5163\_names.txt | 5163 | 5037 | 2372 | 1964 |
| 5163\_names.txt | 10326 | 5037 | 1842 | 1222 |
| 5163\_names.txt | 25815 | 5037 | 1472 | 676 |
| 5163\_names.txt | 51630 | 5037 | 1335 | 466 |