# Results

* For 3 different data files
* For 4 different hash table sizes (per file)
* For 3 different hash functions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input file** | **Declared size of hash table array** | **Hash function H1 #collisions** | **Hash function H2 #collisions** | **Hash function H3 #collisions** |
| 37\_names.txt | 37 | 19 | 20 | 19 |
| 37\_names.txt | 74 | 10 | 6 | 11 |
| 37\_names.txt | 185 | 7 | 5 | 3 |
| 37\_names.txt | 370 | 7 | 1 | 1 |
| 333\_names.txt | 333 | 289 | 177 | 149 |
| 333\_names.txt | 666 | 289 | 77 | 84 |
| 333\_names.txt | 1665 | 289 | 27 | 28 |
| 333\_names.txt | 3330 | 289 | 15 | 16 |
| 5163\_names.txt | 5163 | 5107 | 2615 | 2579 |
| 5163\_names.txt | 10326 | 5107 | 1305 | 1230 |
| 5163\_names.txt | 25815 | 5107 | 517 | 494 |
| 5163\_names.txt | 51630 | 5107 | 258 | 258 |