**Hash Tables – Open Addressing**

**10000.data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hash Function (char \* c, int i);** | **ISF \*** | **MFF \*\*** | **Max Collisions** | **Number of Resizes** |
| H1 | .25 | .60 | 9837 | 3 |
| H1 | .20 | .75 | 9837 | 3 |
| H1 | .20 | .80 | 9837 | 3 |
| H1 | .25 | .83 | 9837 | 3 |
| H1 | .25 | .85 | 9837 | 3 |
| H1 | .50 | .90 | 9836 | 2 |
| H2 | .25 | .60 | 102 | 3 |
| H2 | .20 | .75 | 101 | 3 |
| H2 | .20 | .80 | 102 | 3 |
| H2 | .25 | .83 | 102 | 3 |
| H2 | .25 | .85 | 103 | 3 |
| H2 | .50 | .90 | 136 | 2 |
| H3 | .25 | .60 | 73 | 3 |
| H3 | .20 | .75 | 72 | 3 |
| H3 | .20 | .80 | 72 | 3 |
| H3 | .25 | .83 | 73 | 3 |
| H3 | .25 | .85 | 73 | 3 |
| H3 | .50 | .90 | 115 | 2 |

**500.data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hash Function (char \* c, int i);** | **ISF \*** | **MFF \*\*** | **Max Collisions** | **Number of Resizes** |
| H1 | .25 | .95 | 199 | 3 |
| H1 | .50 | .97 | 219 | 2 |
| H1 | .63 | .88 | 66 | 1 |
| H1 | .75 | .90 | 68 | 1 |
| H2 | .25 | .95 | 77 | 3 |
| H2 | .50 | .97 | 46341 | 2 |
| H2 | .63 | .88 | 28 | 1 |
| H2 | .75 | .90 | 27 | 1 |
| H3 | .25 | .95 | 77 | 3 |
| H3 | .50 | .97 | 183 | 2 |
| H3 | .63 | .88 | 26 | 1 |
| H3 | .75 | .90 | 45 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hash Function (char \* c, int i);** | **ISF \*** | **MFF \*\*** | **Max Collisions** | **Number of Resizes** |
| H1 | .25 | .60 | 7 | 3 |
| H1 | .50 | .80 | 16 | 2 |
| H2 | .25 | .60 | 5 | 3 |
| H2 | .50 | .80 | 13 | 2 |
| H3 | .25 | .60 | 9 | 3 |
| H3 | .50 | .80 | 15 | 2 |