Hashing

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The ideal hash table data structure is merely an array of some fixed size , containing the *keys*. Each key is a character string, mapped into some number in the range 0 to TableSize-1. Hash tables are merely used to implement the Insert and Find operations in *constant* average time

1 Hash Function

The mapping which maps keys to the numbers is called a *hash function*.

2 collision solution

2.1 chain seperating

2.2 open addressing