获得的答案

Double hashing uses a hash function of the form $h(k,i)=(h_1((k)+ih_2(k))Mod\ M)$ here,

 h_1 and h_2 are auxiliary hash function.

The value of $h_2(k)$ must be relative prime to the hash table size M for the entire hash table to be searched. Otherwise, m and $h_2(k)$ have greatest common divisor d > 1 for some key k, then search for the key k only examine $(1/d)^{th}$ hash table.

Consider an example:

Here,

m is prime and let

 $h_1(k) = k \mod m$

 $h_2(k) = 1 + (k \mod m')$ here m' is less than m

If k = 123456, m = 601, m' = 600 then $h_1(k) = 92$ and $h_2(k) = 347$.

So, here first position 92 is examined and then every 347^{th} slot (mod m) until the key is found.