Practical:

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Bloom Filter Algorithm

```
Search result : false
PS C:\Users\admin\Desktop> cd "c:\User
                                                  Do you want to continue (Type y or n)
Bloom Filter Test
Enter set capacity and key size
14 14
                                                  BloomFilter Operations
BloomFilter Operations
                                                  1. insert
                                                  2. contains
                                                  3. check empty
1. insert
                                                  4. clear
2. contains
                                                  5. size
3. check empty
4. clear
                                                  Enter integer element to search
5. size
                                                  Search result : true
Enter integer element to insert
                                                  Do you want to continue (Type y or n)
Do you want to continue (Type y or n)
У
                                                  BloomFilter Operations
BloomFilter Operations
                                                  1. insert
                                                  2. contains
1. insert
                                                  3. check empty
2. contains
                                                  4. clear
3. check empty
                                                  5. size
4. clear
5. size
                                                  Empty status = false
Enter integer element to search
                                                 Do you want to continue (Type y or n)
Search result : false
```

```
Empty status = false
Do you want to continue (Type y or n)
BloomFilter Operations
1. insert
2. contains
3. check empty
4. clear
5. size
Size = 1
Do you want to continue (Type y or n)
У
BloomFilter Operations
1. insert
2. contains
3. check empty
4. clear
5. size
Bloom set Cleared
Do you want to continue (Type y or n)
PS C:\Users\admin\Desktop> [
```