

HW8

Name: _____

1. For the word “TERRIER”, build the bad symbol table:

2. For the word “TERRIER”, build the good suffix table (it doesn’t have to be in table form):

$d_2 =$	
$d_2(k=1) =$	
$d_2(k=2) =$	
$d_2(k=3) =$	
$d_2(k=4) =$	
$d_2(k=5) =$	
$d_2(k=6) =$	

3. Using Horspool's, scan the text "GOTOSEATLENOTATLFORATLATL" for "ATLATL", using the following bad-shift table:

A	...	L	...	T	...
2	6	3	6	1	6

[illegible]

- Bad

Good

[illegible]

5. Insert the following keys into the following hash table, size 10:
- Our hash function is simply $key \bmod 10$
 - Assume **Open hashing**

Keys: 566 909 212 655 123 444 974 321

Index	bucket
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

6. Insert the following keys into the following hash table, size 10:
- Our hash function is simply $key \bmod 10$
 - Assume **Closed Hashing** with **Linear Probing** as a **Collision Strategy**

Keys: 566 909 212 655 123 444 974 321

Index	bucket
0	
1	
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