

# HW 6

1. The criteria for a good hash function is maximal randomness

for this problem,  $k=10$  is the best value,

2.	99	4	89	92	80	10	27
	0	1	2	3	4	5	6

99 4 89 92 80 10 27

3.	99	4	89	92	12
	0	1	4	3	5

3 → 4 → 7 → 12  
       ↓      ↓      ↓  
       4      0      5

99 4 0 92 89 12 0

4.  $h(\text{key}) + j \cdot g(\text{key})$

10	51	72	50	35
0	1	2	4	3

10 51 72 35 50 0 0