

Problem Set 10

Exercise 4b)

	Hashtable	
1		0
4		0
.		0
.		0
.		0

$$h_1(x) = x \bmod 5$$

$$h_1(1) = 1$$

$$h_1(4) = 4$$

$$h_2(x) = 2x + 3 \bmod 5$$

$$h_2(1) = 0$$

$$h_2(4) = 1$$

	Hashtable	
1		0. 1
4		1. 1
.		2. 0
.		3. 0
.		4. 1

⇒ Every bit is likely to be hit by $h_1(x)$ & $h_2(x)$ equally