Review 10

1. Fill in the following STACK and BINARY COUNTER example.

a) STACK

Stack											
Stack operation	-	PUSH	PUSH	POP	PUSH	PUSH	MULTI POP (*S*, 5)	PUSH	PUSH	PUSH	MULTI POP (*S*, 2)
Total amortized cost	0	2	4	4							
Total actual cost	0	1	2	3							
Φ	0	1	2	1							

b) BINARY COUNTER

A[3]	*A*[2]	*A*[1]	*A*[0]	Total amortized cost	Total actual cost	Φ
0	0	0	0	0	0	0
0	0	0	1	2	1	1
0	0	1	0	4	3	1
0	0	1	1			
0	1	0	0			
0	1	0	1			
0	1	1	0			
0	1	1	1			
1	0	0	0			