

Question :

Insert the keys E A S Y Q U T I O N in that order into an initially empty table of $M = 5$ lists, using separate chaining. Use the hash function $11k \% M$ to transform the k th letter of the alphabet into a table index.

Solution :

	Kth letter	$11k \% M$
E	5	0
A	1	1
S	19	4
Y	25	0
Q	17	2
U	21	1
T	20	0
I	9	4
O	15	0
N	14	4

Array:

Index		
0	--	O, T, Y, E
1	--	U, A
2	--	Q
3	--	
4	--	N, I, S