









3, Linear Hash!- Create a hash table from the size 3, and initial hash tu Given input index keys: 8,17, 3.1, what is hash table after	e following index values, with the bucket netion: houshs: index value mod 2.  12,3,5,7,10,11,1,9,4,6,14.  round 0?
Round ox-	hash?:- index value mod 2
SP => 0 8,12 1 17,3,5 -> 7	Ø ad 2 : 0
Overflow on bucket#1	5 mad 2 = 1
Rehash on bucket #0	7 mod 2 3 1
SP = 1 17,315 77,111 2 10, 2 1	hash 2: I index value mod 4  8 mod 4=0 12 mod 4=0  hash 1: index value mod 2  10 mod 2=0 (Rehathas SPat 1)  hash 2 10 mod 4=2  11 mod 2=1
0 8,12 1 17,5 2 10 3 3,7,11	17 mod 4 = 1 3 mod 4 = 3 5 mod 4 = 3 11 mod 4 = 3
Here split pointer can	not point to next pointer so ending Round
— End of	Round 0

2.21 Round 1: tinal hash table?

SP =)	0	8, 12	
31	1	17,5,1	19
	2	10	
	3	3,7,11	

Overflow on bucket #1 Reharh on bucket \$10 Use hash 2 index value mod 4 1mod 4 = 1

9 mod 4: 1

hash3: index value mod 8 8 mod 8 = 0 12 mod 8=4

4 mod 4=0 (SP at 1 so Rehash) 4 mod 8 = 4 6 mod 4 = 2 14 mod 4 = 2