

1. Scanning the whole array and count the number of true and false. It result in three number, trueNum, falseNum and maybeNum, then overwrite that array using out put falseNum first, maybeNum second and trueNum last.

2. Bucket. 0 1 2 3 4 5 6 7 8 9

① 1 142 543 434 65 879

 572 123

 453

Bucket

0	1	2	3	4	5	6	7	8	9
1		123	434	142	453	65	572		
			543				879		

Bucket

0	1	2	3	4	5	6	7	8	9
1	123			434	543				
65	142			453	572			879	

Output. 1, 65, 123, 142, 434, 453, 543, 572, 879

[illegible]

b.

0	1	2	3	4	5	6	7	8	9
9679	4371	1989	1323	6173	4344				4199

c.

0	1	2	3	4	5	6	7	8	9
9679	4371		1323	6173	4344			1989	4199

d. we can't get the hash table because 1989 can't insert in the table.

0	1	2	3	4	5	6	7	8	9
	4371		1323	6173	9679		4344		4199