

left	mid	right						
[0]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
11	22	33	44	55	66	77	88	99
left		mid	right					

① Key = 35.

② left = 0
Right = 8
mid = 4.

③ If (35 == 55) no.

④ Continue in LSA.

LSA (left to mid-1)
3 to 2.

② left = 0
Right = mid - 1 = 3.
mid = 1.

③ If (35 == 22)

④ continue in RSA.

RSA.

② L = 2
R = 3
m = 2.

③ If (35 == 23)
no.

④ continue in RSA.

RSA

② L = 3
R = 3
M = 3.

③ If (35 == 44)
no.

④ As 35 is smaller.
continue in LSA.

LSA is from left to m-1.

left = 3.

Right = mid - 1.
3 - 1

Right = 2.