

left	mid	right	
[0]	[1]	[2]	[3]
11	22	33	44

[4]	[5]	[6]	[7]	[8]
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 == 22)

no.

④ Continue in RSA.

RSA

② L = 3R = 3M = 3.③ If (35 == 44)

no.

④ As. 35 is smaller.

Continue in LSA.

LSA is from left to m-1.

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

right = 2.