

154.

Recap #153.

while $l < r$: # [l, r]

if $A[m] < A[r]$: # right side

elif $A[m] > A[r]$: # left side
 $r = m$
 $l = m + 1$

But in #154

CANT BE $A[m] = A[r]$
because $m \neq r$

we sometimes cannot determine m in left or right
so we keep shrink r until $A[m] \neq A[r]$
After that, $A[m] > A[r]$ right
 $A[m] < A[r]$ left

Remain is the same as #153