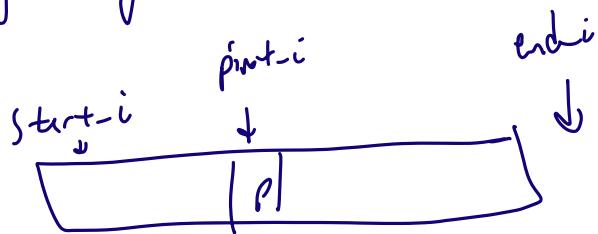


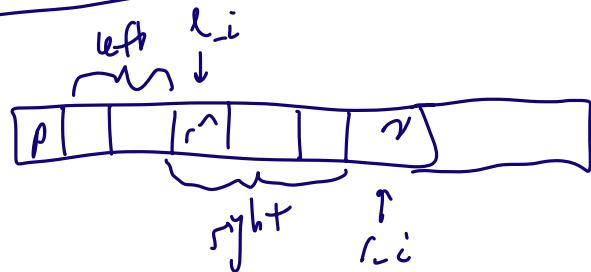
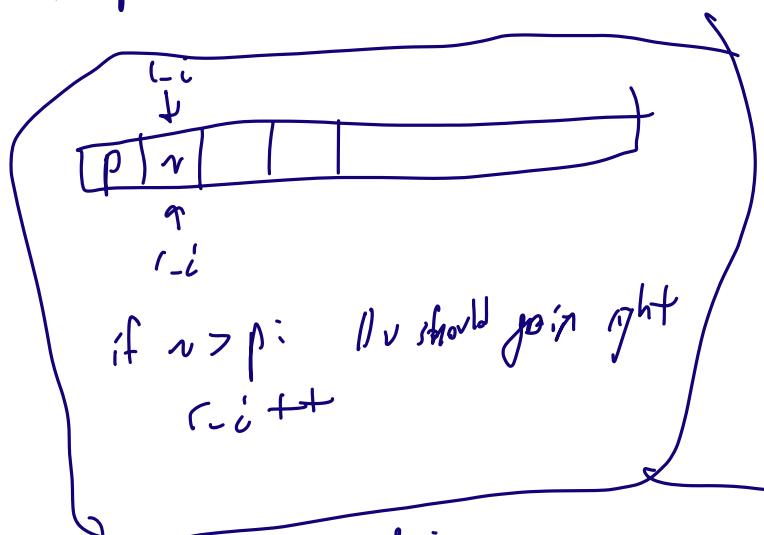
## Steps of Partition

0. beginning of algorithm



1. put pivot at beginning

2. incorporate  $v$  into left or right

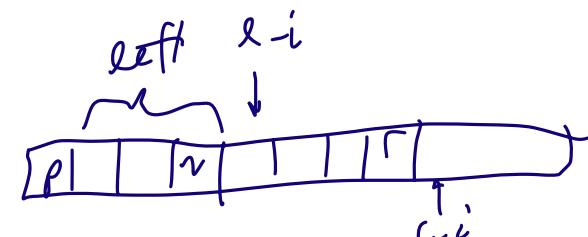


if  $v < p$ : //  $v$  should go in left

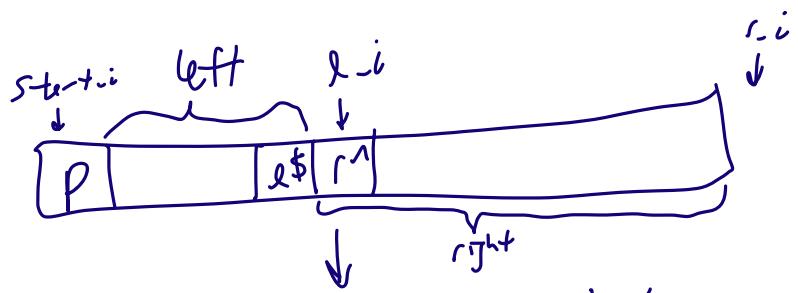
swap  $r^n$  and  $v$  ( $r^n$  is first element of right)

$l-i++$

$r-i++$



3. move pivot between l and r



swap  $p$   $(l+i+r+i)$  with  $l\$$   $(l+i+l-i)$

