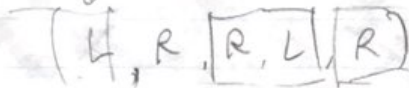


for $i = 0 \rightarrow \text{size}$
if array[i]

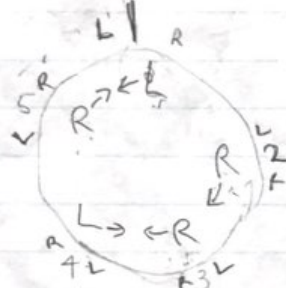
flip stage

$i = 0$



$(0, 0, 1, 0, 1)$

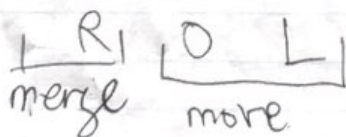
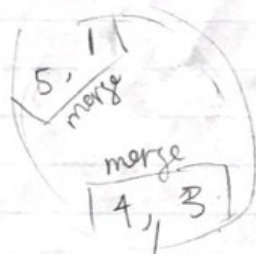
move



merge



$(1, 0)$
 $(0, 1) \rightarrow \text{merge}$



base cases

merge case

$(<, >)$

$(>, <) = \begin{cases} (1, 0) \\ (0, 1) \end{cases}$

slide case

$(<, <)$

$(>, >) = \begin{cases} (1, 1) \end{cases}$

$R: (>, 0) = \begin{cases} (0, 1) \end{cases}$

$L: (0, <) = \begin{cases} (1, 0) \end{cases}$

