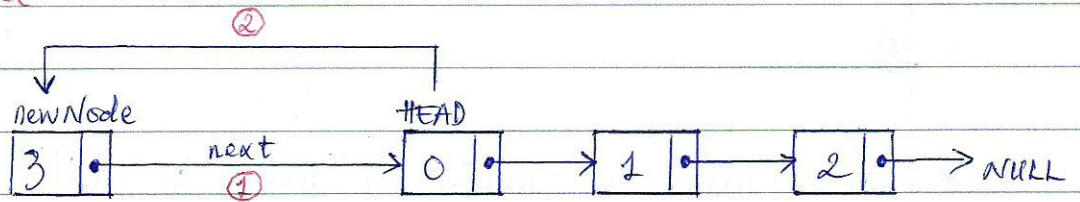


* insertAtHead

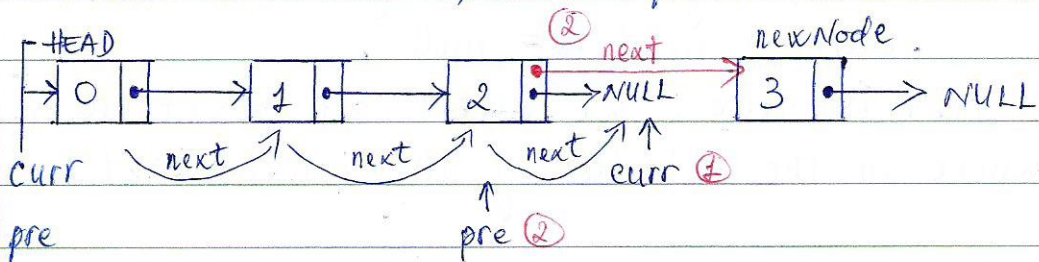


① $\text{newNode} \rightarrow \text{next} = \text{head};$

② $\text{head} = \text{newNode};$

* insertAtRear

$\text{Node}^* \text{curr} = \text{head}; \text{Node}^* \text{pre} = \text{curr};$



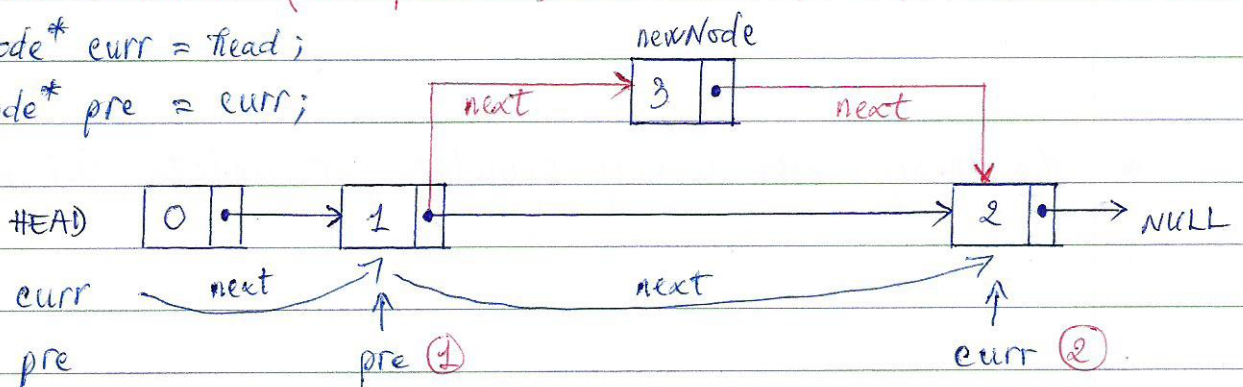
① $\text{if} (\text{curr} == \text{NULL})$

② $\text{pre} \rightarrow \text{next} = \text{newNode};$

* insertAtMiddle (int position) \Rightarrow Example: position = 2;

$\text{Node}^* \text{curr} = \text{head};$

$\text{Node}^* \text{pre} = \text{curr};$



$\text{int } i = 0;$

$\text{while} (i < \text{position} \ \&\& \ \underline{\text{curr} \rightarrow \text{next} \neq \text{NULL}}) \{$

$\text{pre} = \text{curr};$

$\text{curr} = \text{curr} \rightarrow \text{next};$

$i = i + 1;$

$\}$

① $\text{pre} \rightarrow \text{next} = \text{newNode};$

② $\text{newNode} \rightarrow \text{next} = \text{curr};$