

-- GETITEM -- IN LINKED LISTS

LOOP STOPPING CONDITIONS:

- CURR IS NONE (GONE PAST THE END OF THE LIST)
- $i == \text{INDEX}$ (THE WANTED INDEX IS REACHED)

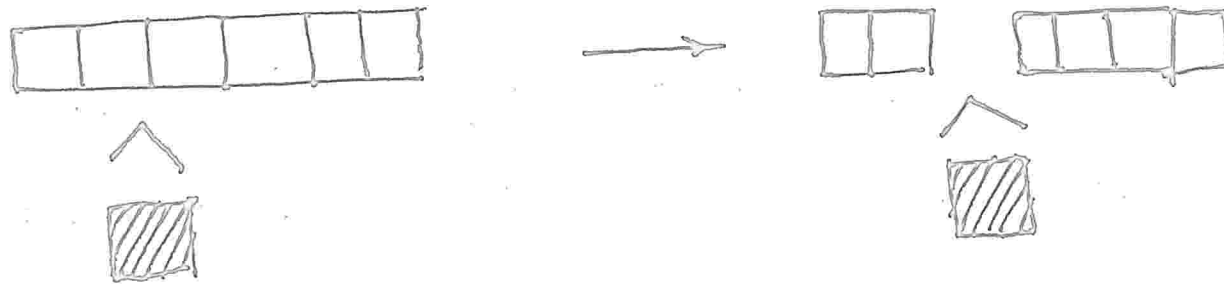
→:

```
# WHILE CURR IS NOT NONE AND  $i < \text{INDEX}$ 
# WHILE CURR IS NOT NONE AND  $i \neq \text{INDEX}$ 
# WHILE NOT (CURR IS NONE OR  $i == \text{INDEX}$ );
```

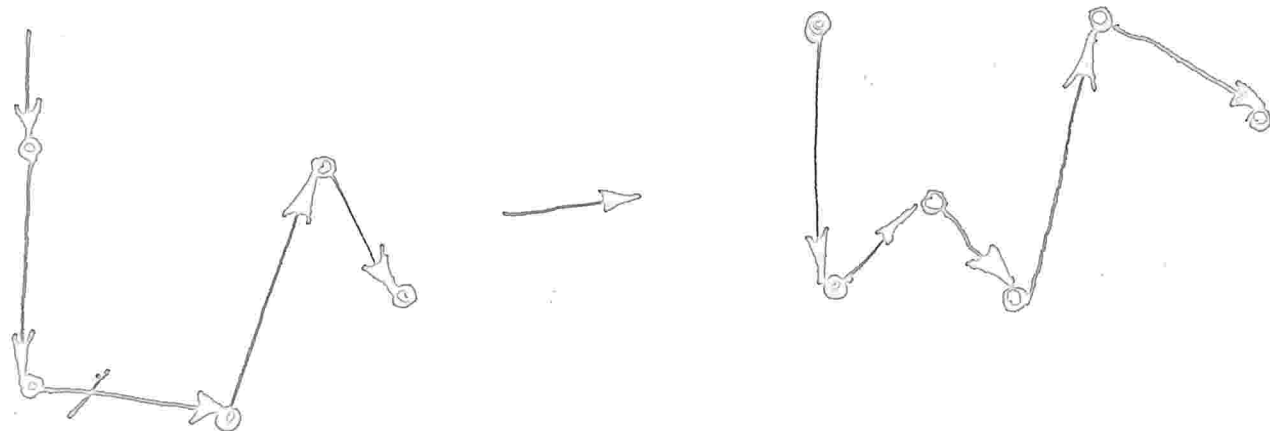
-- GETITEM -- IS NOT ASSIGNMENT

MUTATION

● PYTHON LIST



● LINKED LIST



BEFORE MUTATION,

- ① CHECK IF THE MUTATED OBJECT EXISTS AT THE STEP OF MUTATION.
- ① CHECK IF THE MUTATING METHOD APPLIES TO ALL THE ELEMENTS OF THE MUTATED OBJECT.