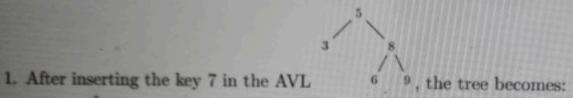
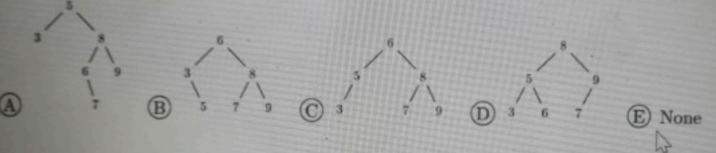
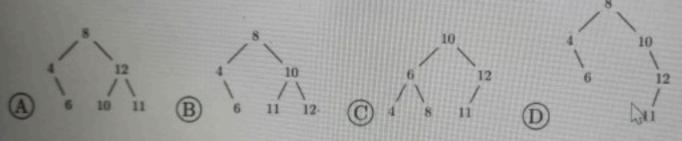
Choose the correct result in each of the following cases (follow the the convention of replacing with the smallest key in the right sub-tree when necessary):





- OA
- OB
- OD
- O None

2. After inserting the key 11 in the AVL 6 10 , the tree becomes:



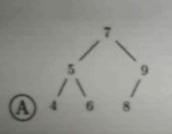
None

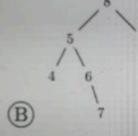
- OA
- OB
- 00
- OD
- None

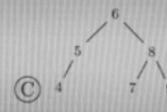
3. After inserting the key 7 in the AVL 4

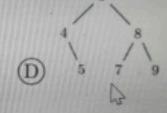
5 8 9 L 4 6 ,

, the tree becomes:





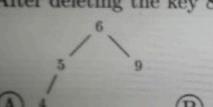


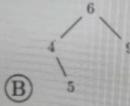


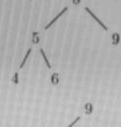


- OA
- OB
- @ C
- OD
- O None

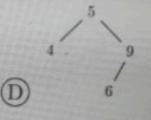
4. After deleting the key 8 from the AVL







, the tree becomes:



E) None

3

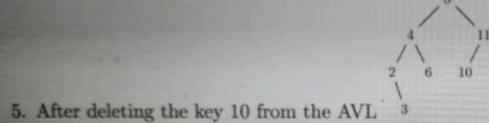
OA

OB

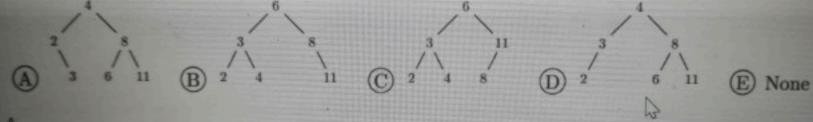
00

. D

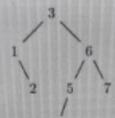
O None



, the tree becomes:

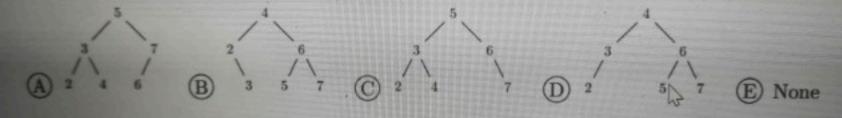


- A
- OB
- 00
- OD
- O None



6. After deleting the key 1 from the AVL

, the tree becomes:



- OA
- OB
- C
- OD
- O None

Choose the correct result in each of the following cases (when possible, always borrow and transfer to the left). The order of the tree is M=3:

1. After inserting the key 5 in the B+ tree , the root of tree becomes:

(A) (B) (S) (B) (E) None

OA

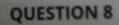
OB

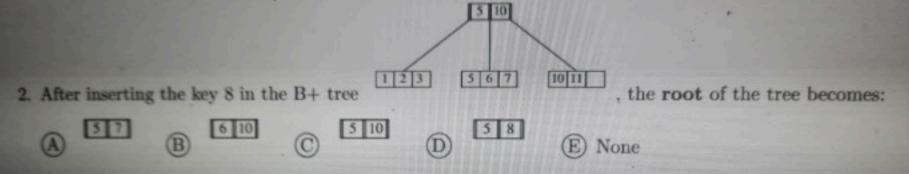
OC

D

O None

QUESTION 8





OA

OB

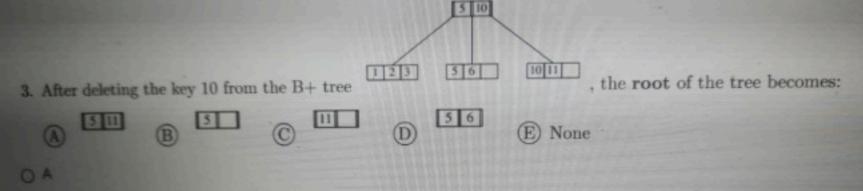
00

D

O None

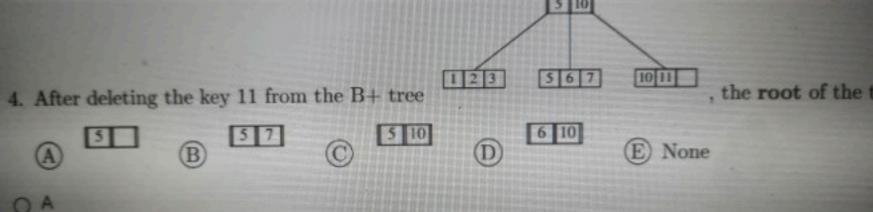
QUESTION 9

Click Save and Submit to save and submit Click Save All A-



- B
- 00
- OD
- O None

QUESTION 10



O None