

23/09/2020  
Batch 3

ADS

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1)

Insert-front (head, data)

node new = new node()

new → data = data

new → ptnidiff = head

if (head != NULL)

head → ptnidiff = head → ptnidiff XOR new

head = new

return head;

Insert-rear (head, data)

node new = new node()

new → data = data

if (head == NULL)

new → ptnidiff = NULL

return new;

temp = head, prev = NULL

while (temp != NULL)

next = prev XOR temp → ptnidiff

prev = temp

temp = next

prev → ptnidiff = prev → ptnidiff XOR new

new → ptnidiff = prev

return head;

