

ADS.

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~~Insert-front (int x)~~

~~node \*temp = new node;~~

Insert-front (int x) {

node new = new node();

new->data = x;

new->ptrdiff = head

if (head != NULL)

head->ptrdiff = head->ptrdiff XOR new;

head = new;

}

Insert-rear (int x) {

node new = new node();

new->data = x;

~~temp = head;~~

if (head == NULL) {

new->ptrdiff = NULL;

head = new;

}

else.

temp = head; prev = NULL

while (temp != NULL) {

~~prev = temp;~~ next = prev XOR temp->ptrdiff;

~~temp = prev = temp;~~

temp = next; }

prev->ptrdiff = prev->ptrdiff XOR new.

new->ptrdiff = prev.

?