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// inserting a Node

void insert (Node\* &head\_ref, int data)

{

temp = new Node (data)

temp->npx = head\_ref;

if (head\_ref != NULL)

{

head\_ref->npx = XOR (temp, head\_ref->npx)

}

head\_ref = temp;

}

// inserting at end

temp = new Node (data);

p = head\_ref

while (p->npx != null)

p = p->npx

temp->npx = XOR (p, null)

p->npx = XOR (p->npx, temp);