I

Node \*searchMax(Node \*head)

{

Node \*x, \*res;

int max;

if (head == NULL)

{

return NULL;

}

max = head->value;

res = head;

for (x = head; x != NULL; x = x->next)

{

if (x->value > max)

{

max = x->value;

res = x;

}

}

return res;

}

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II

Node \*duplicate(Node \*head)

{

Node \*x, \*new\_head, \*new;

if (head == NULL)

{

return NULL;

}

new\_head = (Node \*)malloc(sizeof(Node));

new\_head->value = head->value;

new = new\_head;

for (x = head->next; x != NULL; x = x->next)

{

new->next = (Node \*)malloc(sizeof(Node));

new = new->next;

new->value = x->value;

}

new->next = NULL;

return new\_head;

}