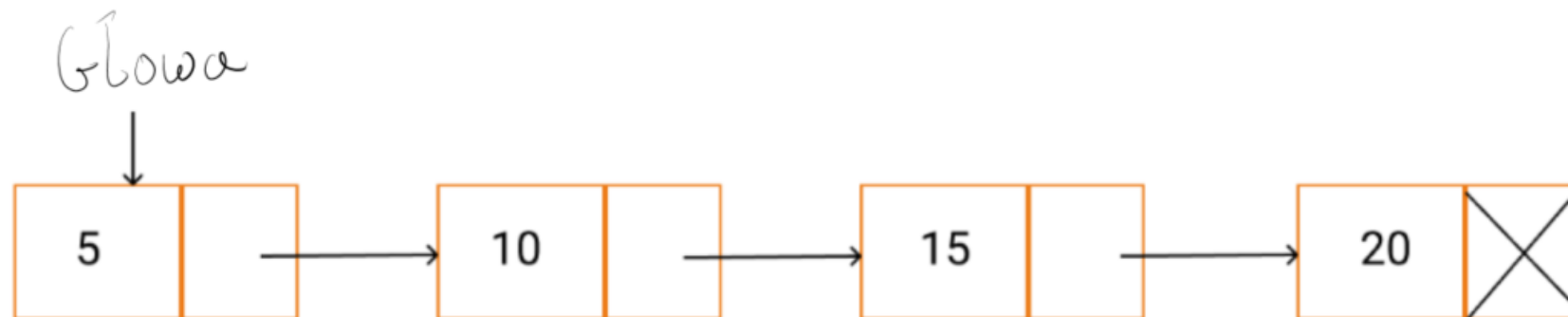
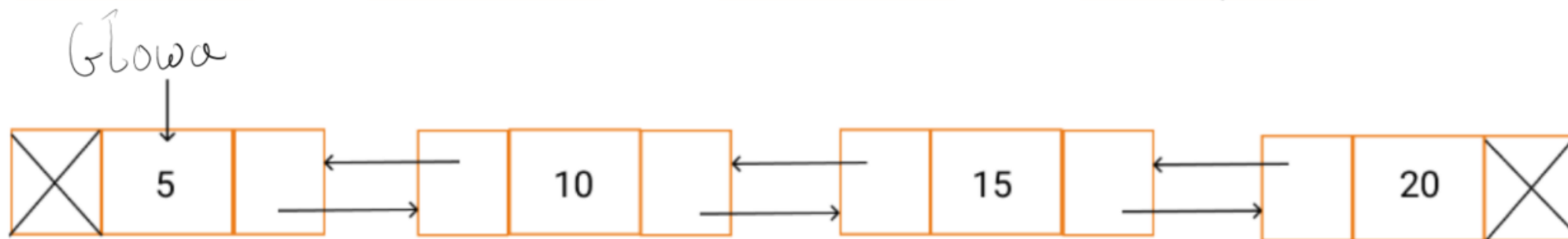


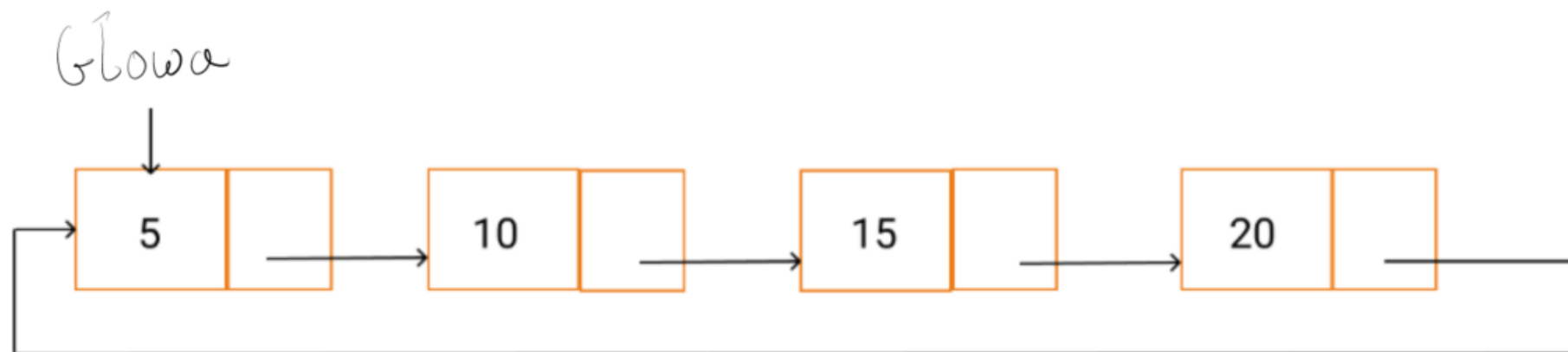
Jednokierunkowa



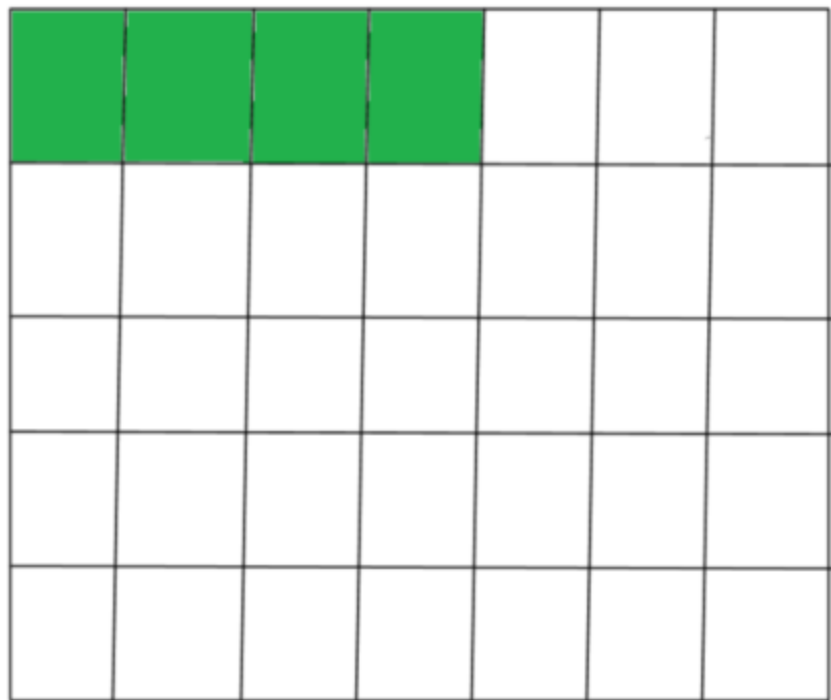
Dwukierunkowa



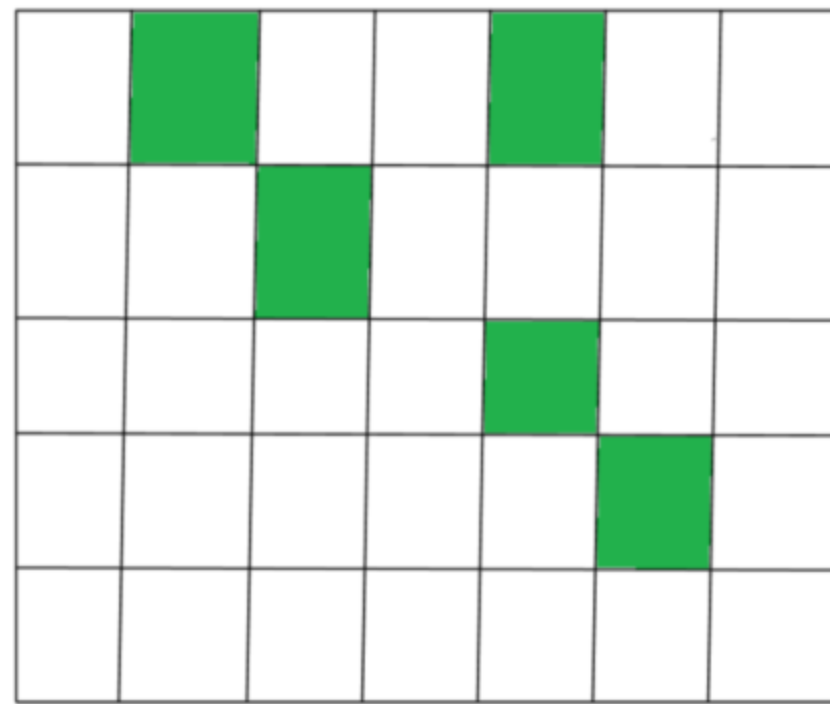
Cykliczna



Alokacja



Statyczna



Dynamiczna

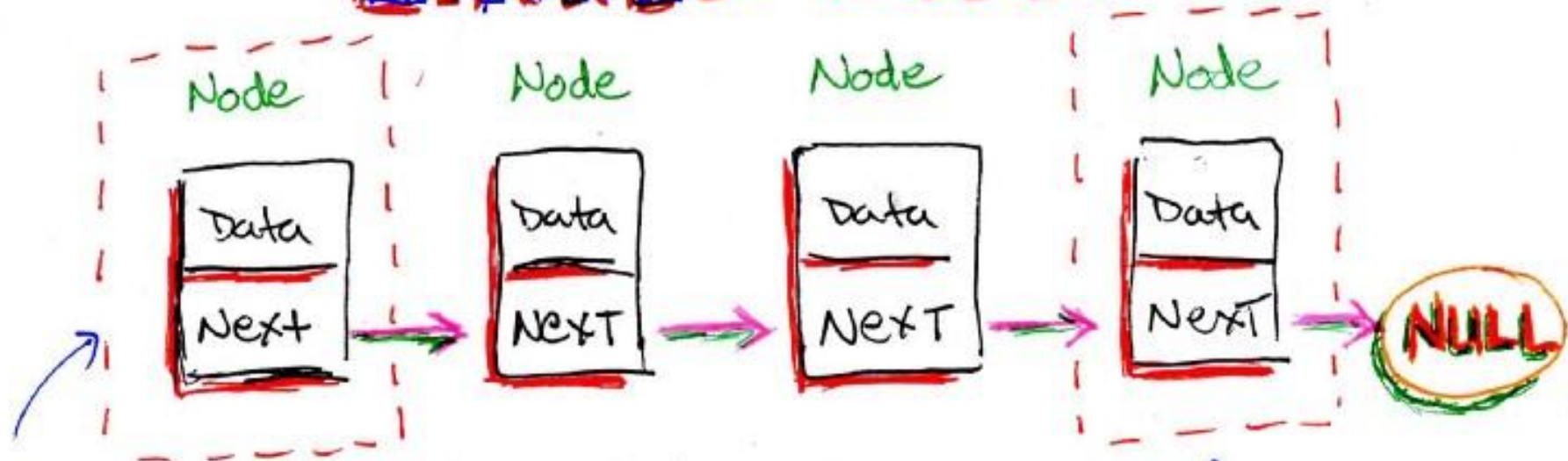
Lista vs Tablica

ARRAY	LINKED LIST
Size of an array is fixed	Size of a list is not fixed
Memory is allocated from stack	Memory is allocated from heap
It is necessary to specify the number of elements during declaration (i.e., during compile time).	It is not necessary to specify the number of elements during declaration (i.e., memory is allocated during run time).
It occupies less memory than a linked list for the same number of elements.	It occupies more memory.
Inserting new elements at the front is potentially expensive because existing elements need to be shifted over to make room.	Inserting a new element at any position can be carried out easily.
Deleting an element from an array is not possible.	Deleting an element is possible.

Lista vs Tablica

Operacja	Lista	Tablica
Wyszukiwanie	$O(n)$	$O(n)$
Wstawianie	$O(1) ?$	$O(n)$
Usuwanie	$O(1) ?$	$O(n)$
Pobieranie	$O(n)$	$O(1)$

Linked Lists



This Node, at
the start is
The Head

* the Next property
of a Node "points"
or more precisely,
is a reference to
its following Node.
If there is no
following Node, then
it is set to null.

↑
This Node at
the end, is
The Tail