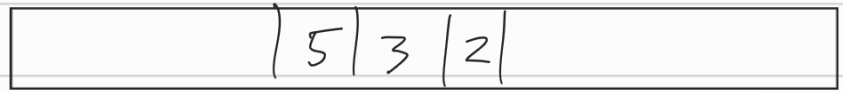


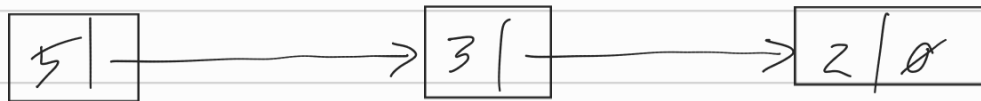
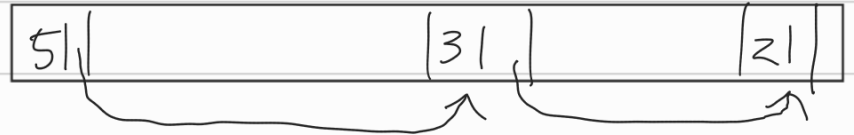
4. ábra

Memória:

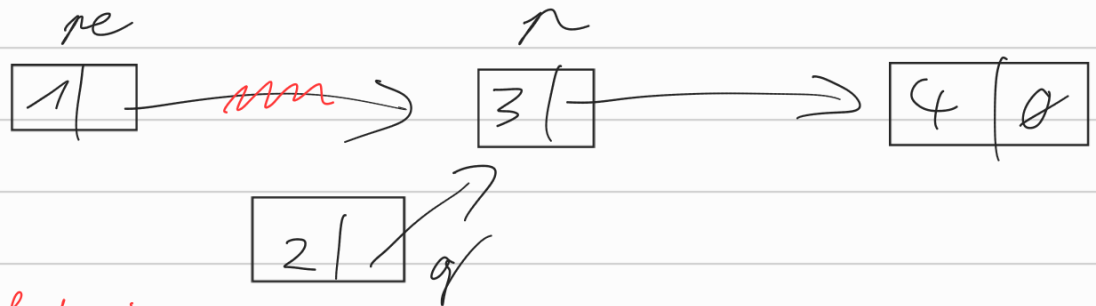
- tömör esetén



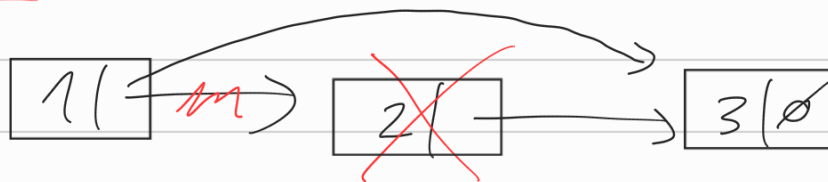
- láncolt lista esetén



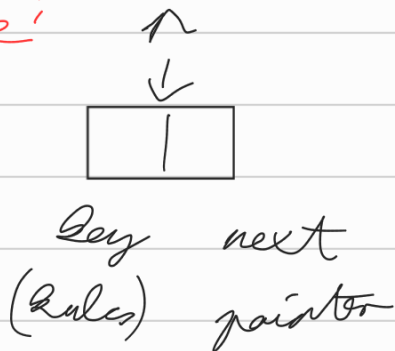
Beszúrásra példa:



Törlésre példa:



E1 típus:



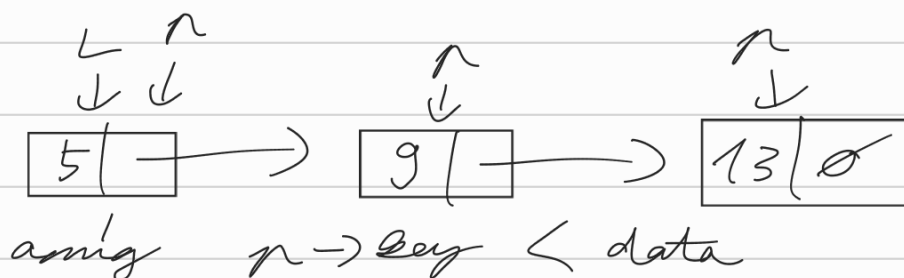
$E1$
 $n: E1^*$

$n \rightarrow \text{key}$
 $(n), \text{key}$

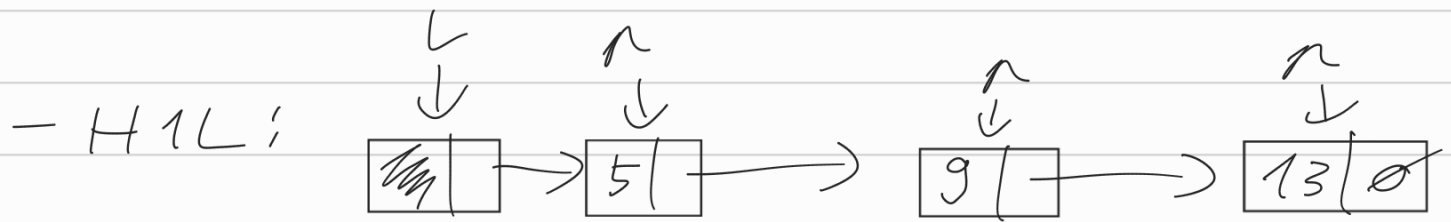
$n := \text{new } E1$
 $\text{delete } n$

Hozzászólás:

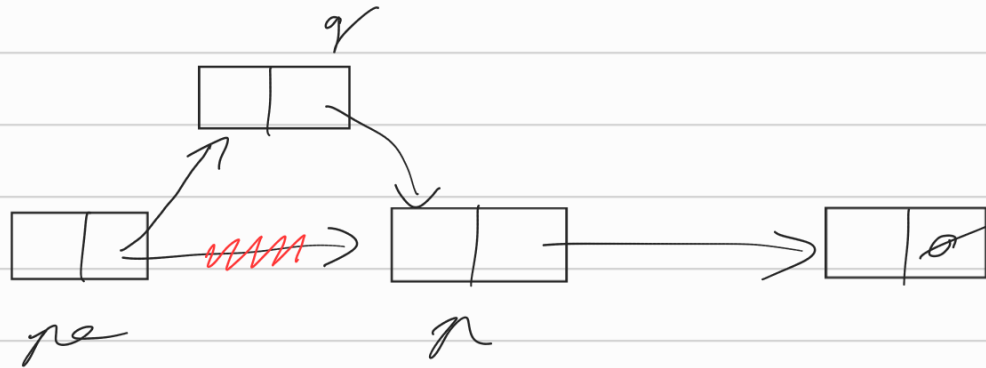
- SLL:



$n := n \rightarrow \text{next}$

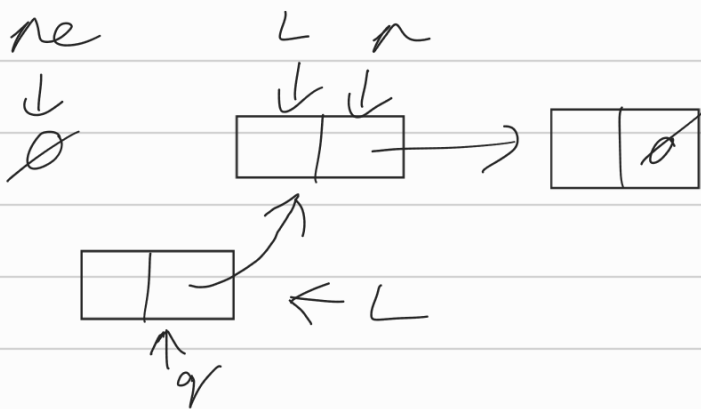


Beszúrás:

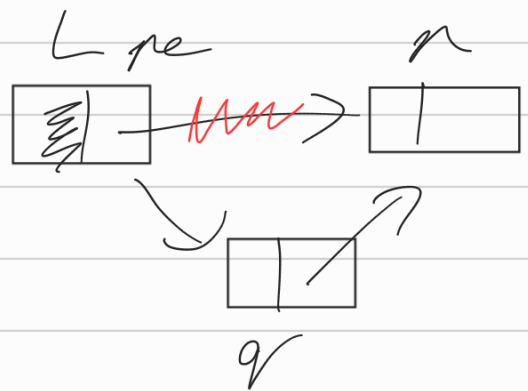


- ha az elejére kell beszúrni

S1L



H1L



Törölés:

- ha az elejéről kell S1L esetén



$L := n \rightarrow \text{next}$

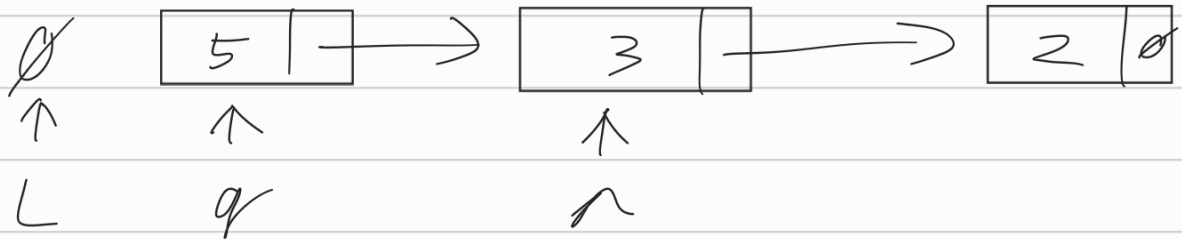
- $pe \rightarrow \text{next}$ nem lehet

Lista megfordítása:

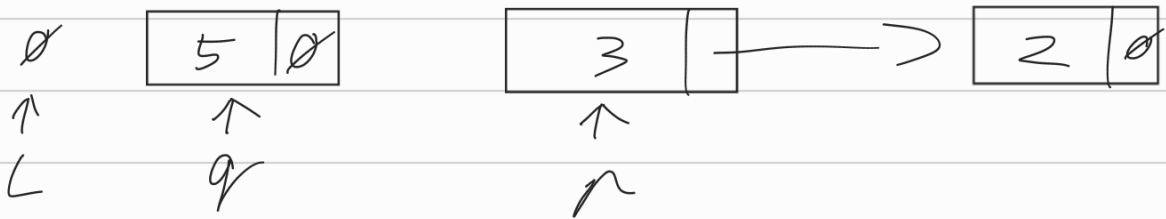
1.)



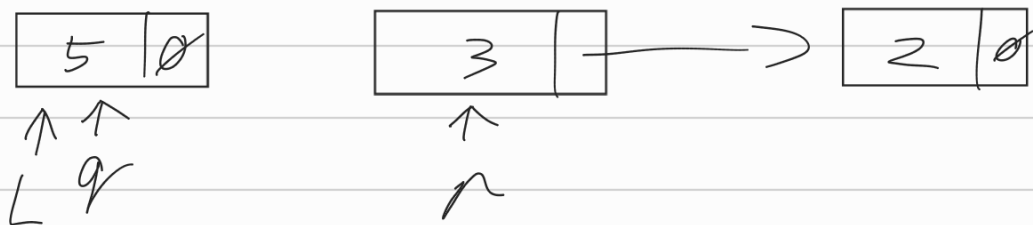
$q := r$



$r := r \rightarrow \text{next}$

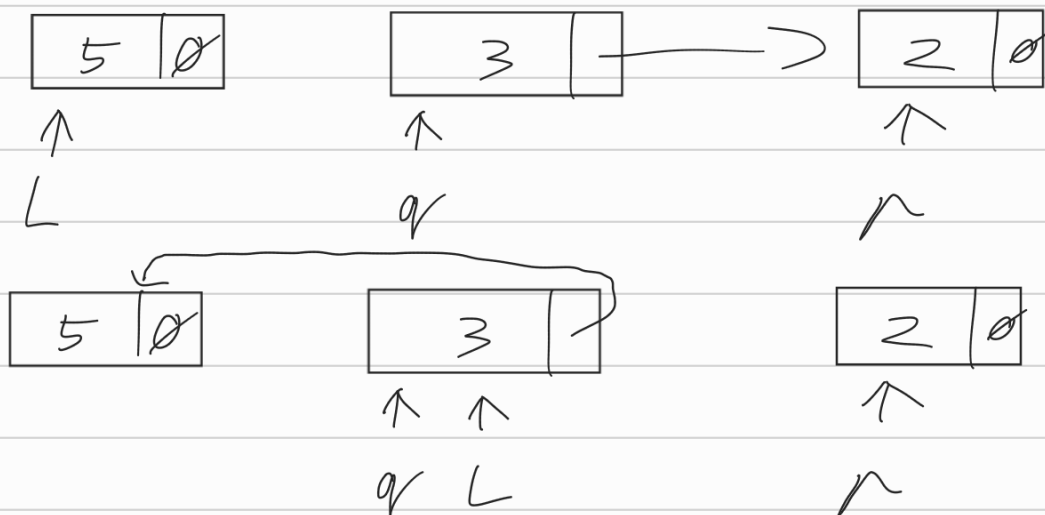


$q \rightarrow \text{next} := L$

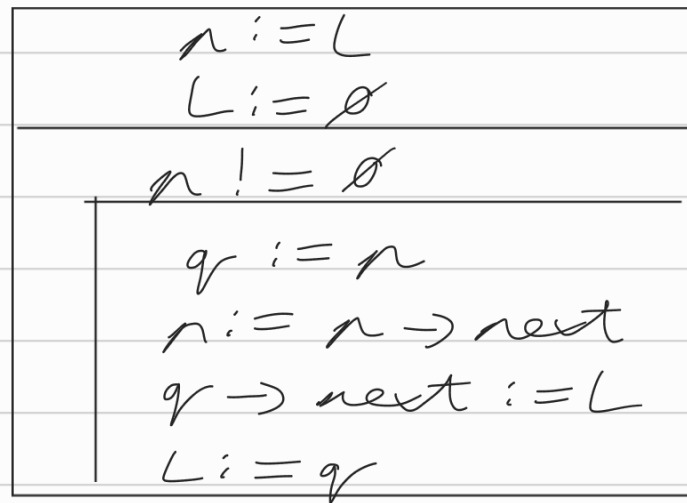


$L := q$

2.)

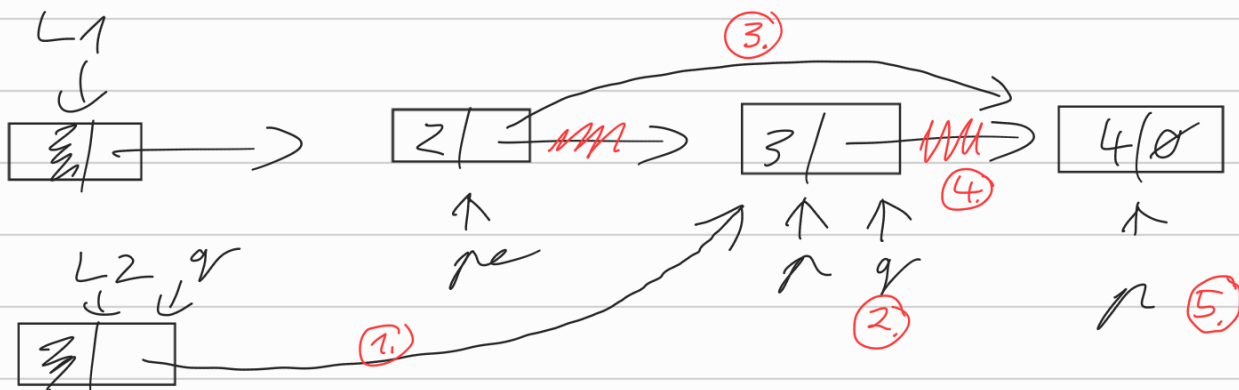


- L a megfordított lista lesz, ez kezdetben \emptyset
- a q az az elem, amit L -be befűzünk
- n azért kell, hogy ne vesszük el a listánkat



Lista rétfűzés:

- $L1$ a bemenet
- $L1$ -ben legyenek a páros elemek
- $L2$ -ben legyenek a páratlan elemek



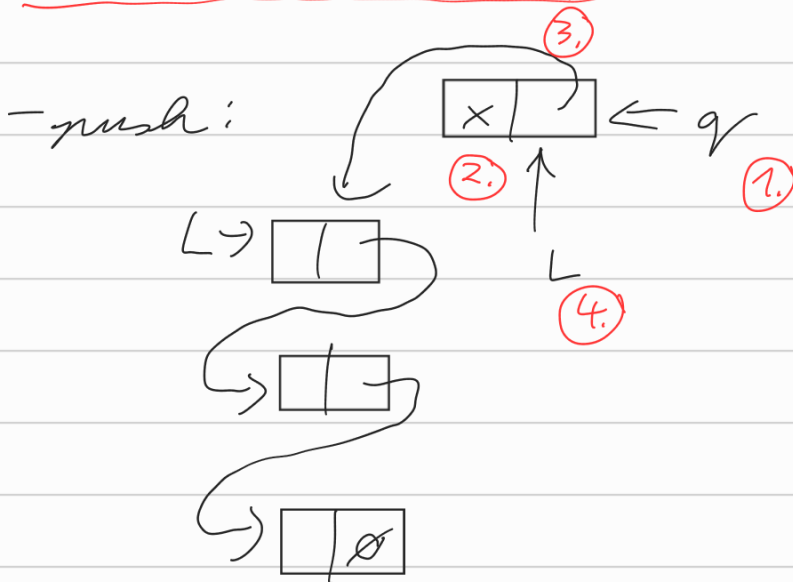
- 1.) $q \rightarrow \text{next} := n$
- 2.) $q := n$
- 3.) $pe \rightarrow \text{next} := n \rightarrow \text{next}$
- 4.) $q \rightarrow \text{next} := \emptyset$
- 5.) $n := pe \rightarrow \text{next}$

Primszita:

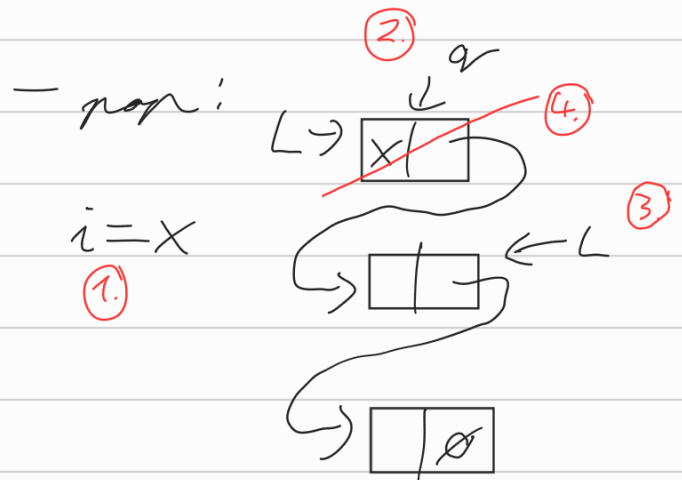
- hűszek ki a számok többszöröseit
- lista esetén törljük

2, 3, ~~4~~, 5, ~~6~~, ~~7~~, ~~8~~, ~~9~~, ~~10~~

Véges láncoltan:



$q := \text{new } E1$
 $q \rightarrow \text{key} := x$
 $q \rightarrow \text{next} := L$
 $L := q$

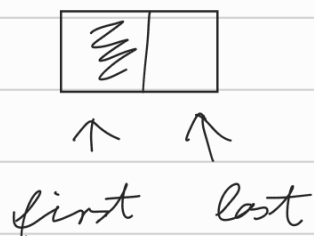


$i = x$
①

$i := L \rightarrow \text{key}$
 $q := L$
 $L := L \rightarrow \text{next}$
delete q
return i

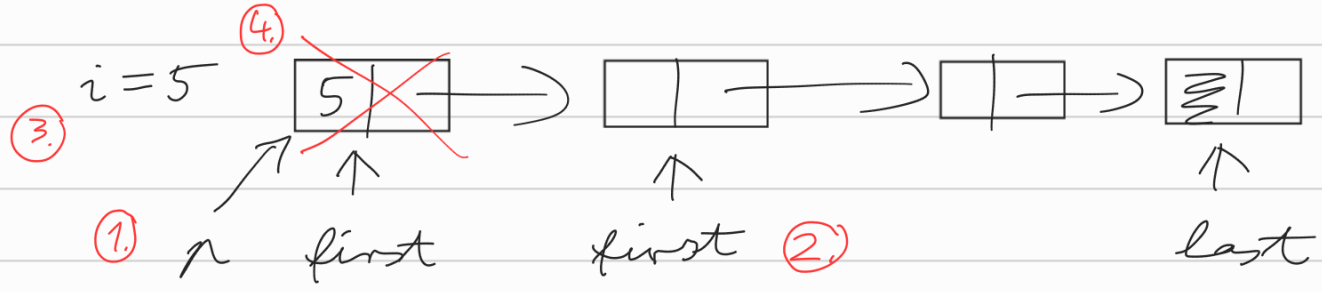
Sor láncoltan:

- kezdethet:



(végelem)

Sorba való törlés:



```

n := first
first := first → next
i := n → key
delete n
return i

```