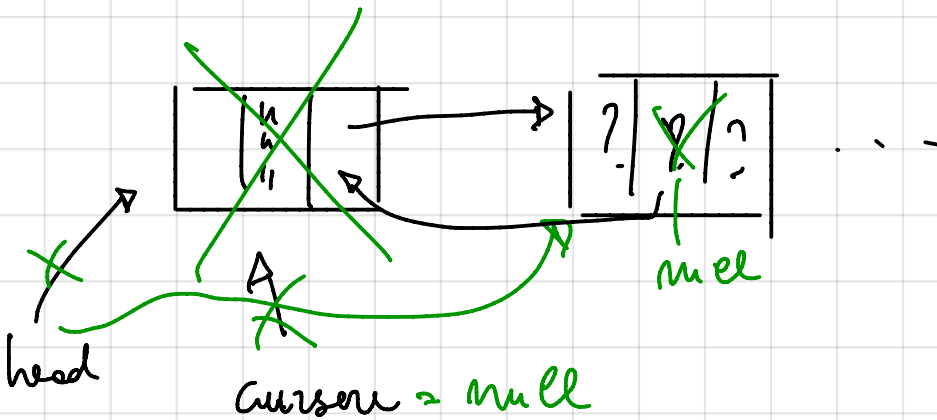
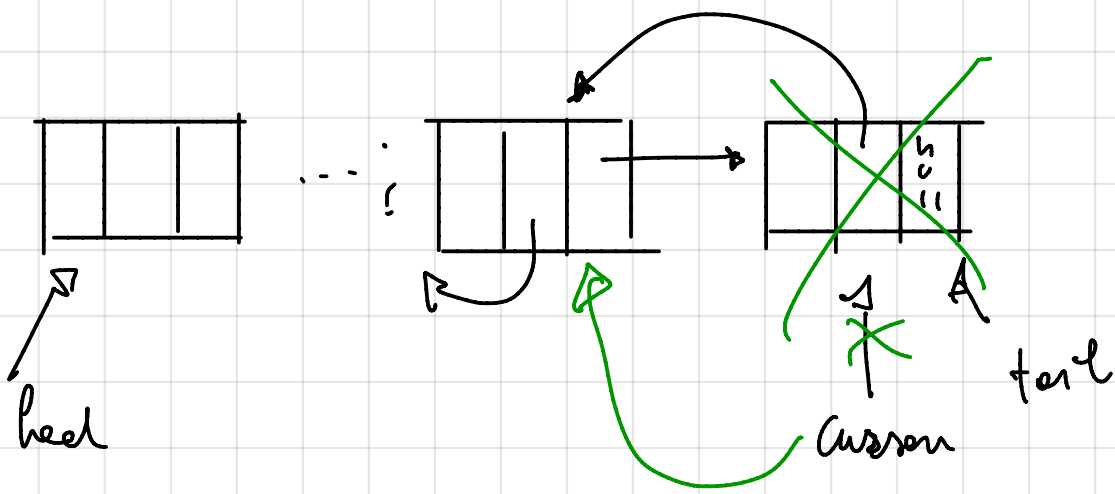
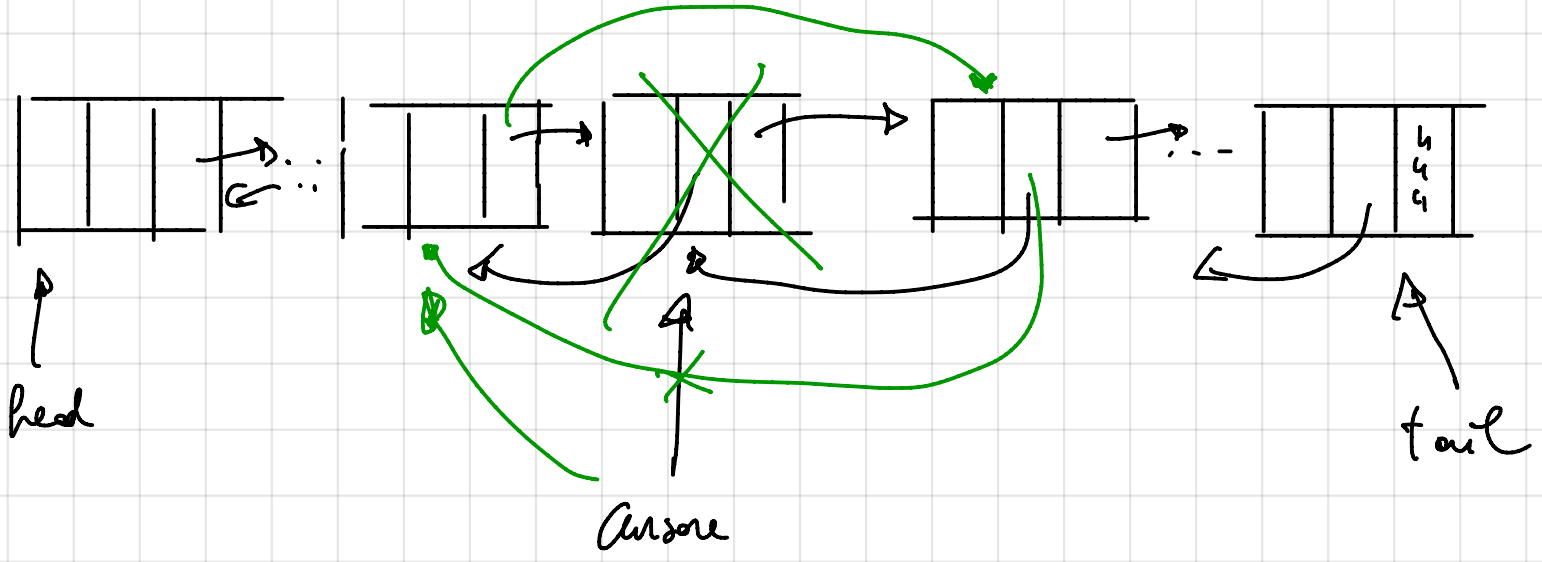


boolean removeGiaFalt.

rimozione 1° elemento





ADT List (E):

Abstract Data Type (Tipo di dato Astratto)

Implementazione completamente ricorsiva  
Liste immutabili

operatori

emptyList : ADT List (E)

cons : E x ADT List (E)  $\rightarrow$  ADT List (E)

esempio [2, 5, -7]

cons(2, cons(5, cons(-7, emptyList)))

$$\text{find}(e, l) = \begin{cases} \text{false} & \text{se } l = \text{emptyList} \\ \text{true} & \text{se } l = \text{cons}(e', l') \\ & \text{and } e = e' \\ \text{find}(e, l') & \text{se } l = \text{cons}(e', l') \\ & \text{and } e \neq e' \end{cases}$$

$$\text{removeFirst}(x, l) = \begin{cases} l & \text{se } l = \text{emptyList} \\ l' & \text{se } l = \text{cons}(x', l') \\ & \text{and } x = x' \\ \text{cons}(x', \text{removeFirst}(x, l')) & \text{se } l = \text{cons}(x', l') \\ & \text{and } x \neq x' \end{cases}$$