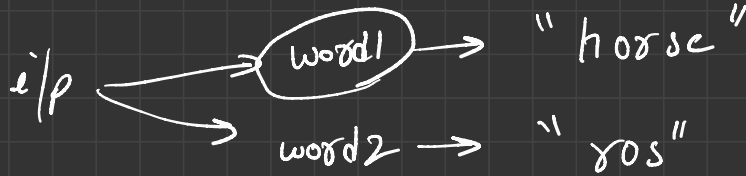
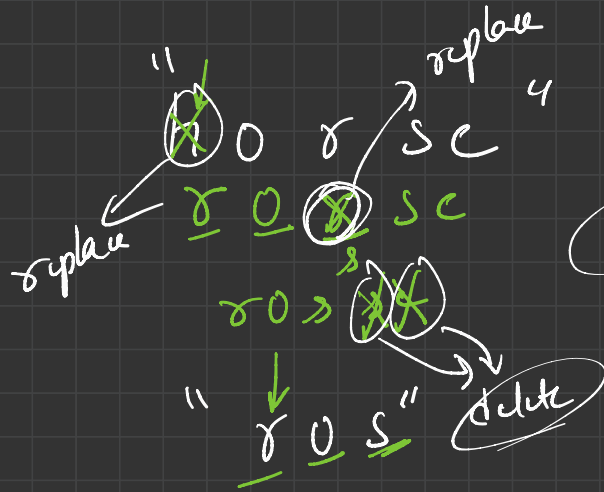



Dynamic

Programming

→ EDIT Distance





4 op

horse

hose

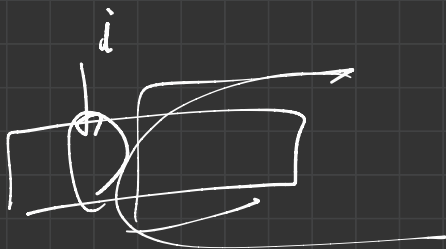
approach



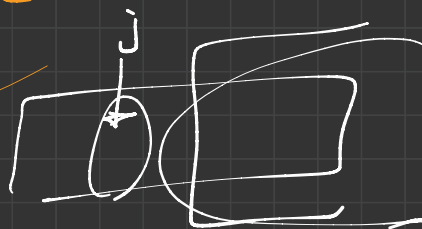
" h o s "

" h o s "

- ① replace h with s
 - ② delete e
 - ③ delete e
- } → 3 op



horse
ros



horse
ros

horse
ros

horse
ros

horse
ros

horse
ros

if (char match)

↳ call for remaining string

else

insertAts

deleteAts

replaceAts

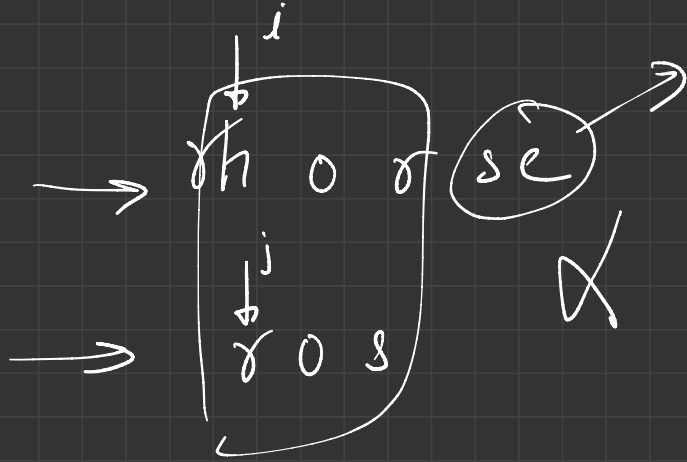
findAts = min(insertAts, deleteAts, replaceAts);

word1 → ros | hos | hosⁱ sc

word2 → horse | horse | horseⁱ sc

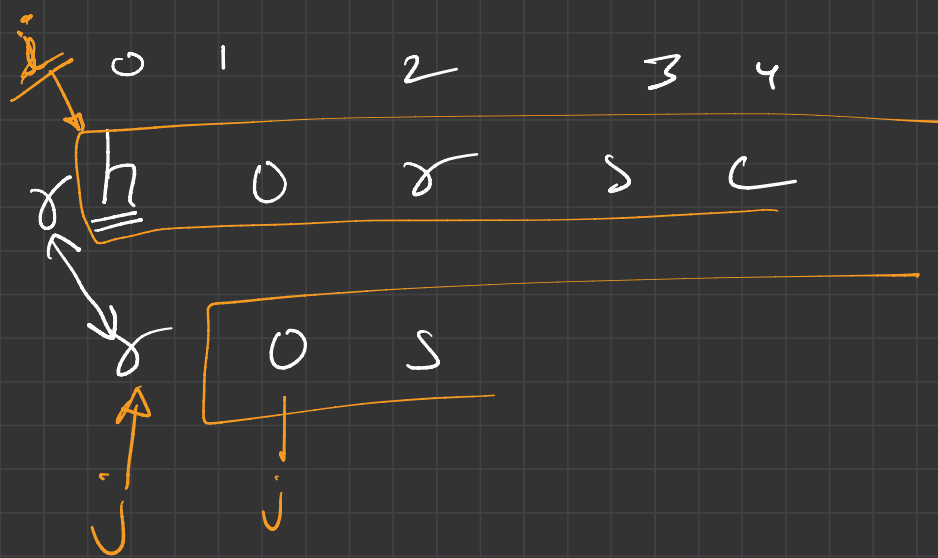
$$b.length() - j$$

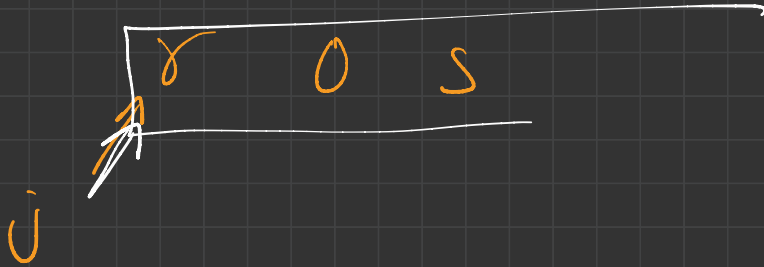
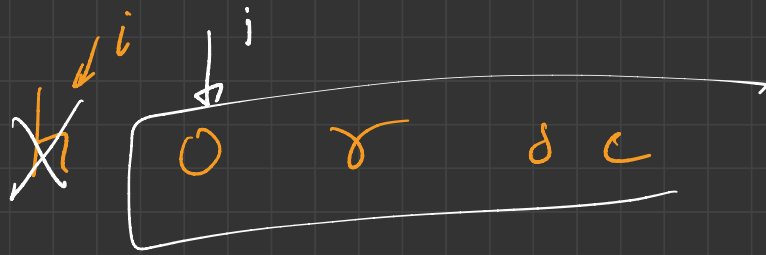
$$5 - 3 = 2$$

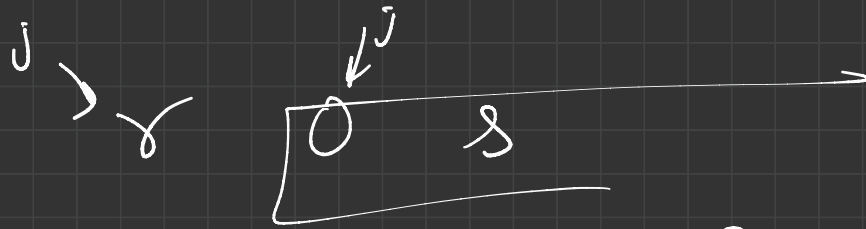
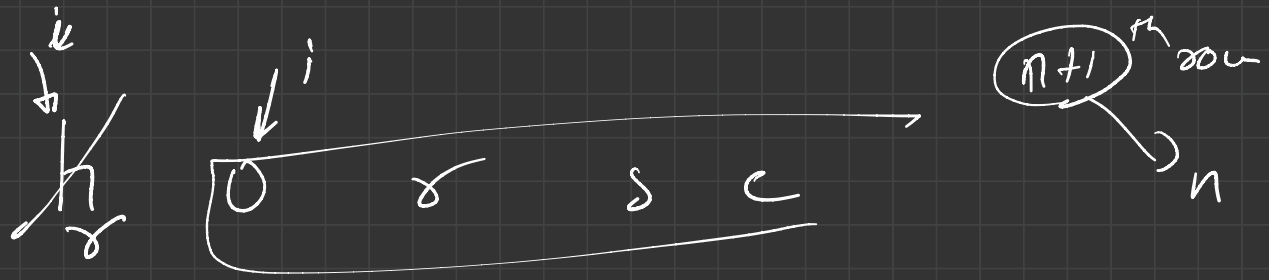


h o r s eⁱ

rosⁱ

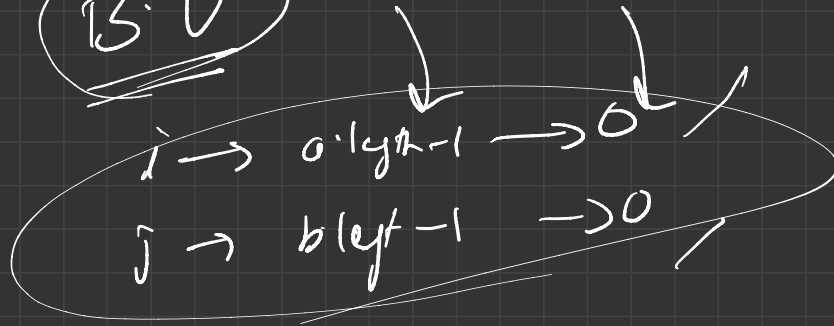






T.P

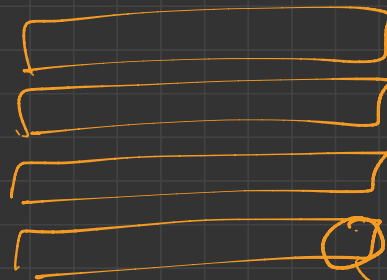
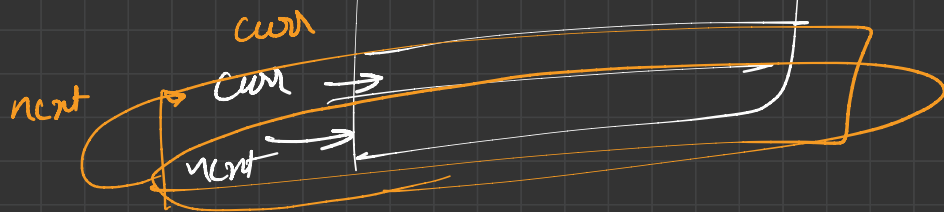
B.V



$i \rightarrow 0 \rightarrow a[i]$

$j \rightarrow 0 \rightarrow b[j]$

curr
next



$q.lym() - 1$

