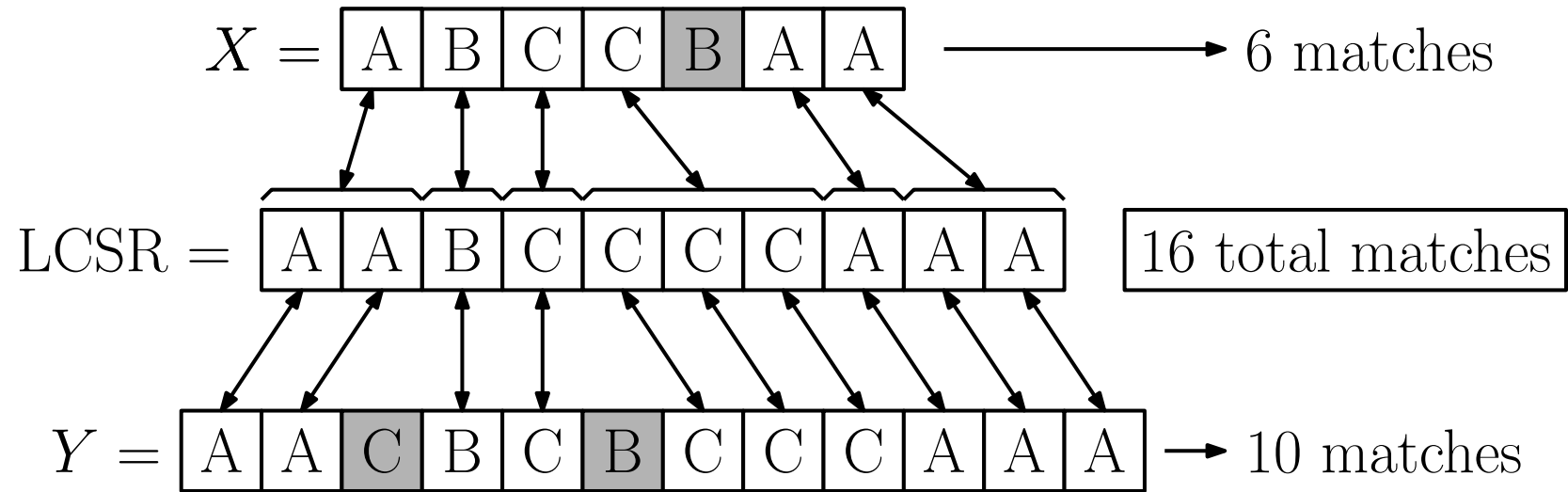


$$\begin{aligned}
 X &= \boxed{\text{B}} \boxed{\text{A}} \boxed{\text{C}} \boxed{\text{C}} \boxed{\text{A}} \boxed{\text{B}} \boxed{\text{A}} \\
 Y &= \boxed{\text{A}} \boxed{\text{C}} \boxed{\text{C}} \boxed{\text{B}} \boxed{\text{B}} \boxed{\text{A}} \\
 w(\text{A}) &= 5, w(\text{B}) = 10, w(\text{C}) = 1 \\
 \text{LCS} &= \boxed{\text{A}} \boxed{\text{C}} \boxed{\text{C}} \boxed{\text{B}} \boxed{\text{A}} \rightarrow \text{wgt} = 22 \\
 \text{WCS} &= \boxed{\text{B}} \boxed{\text{B}} \boxed{\text{A}} \rightarrow \text{wgt} = 25
 \end{aligned}$$

(a)



(b)