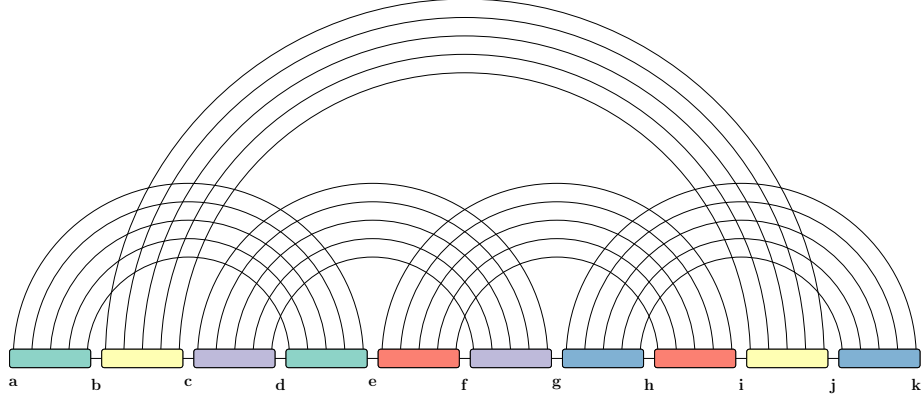


fatgraph name: C5



first and last anchors, already given: a, k

$$A = \min_{a,g,h,j,k} \left(B[a, g, h, j] + \boxed{C_{\boxtimes}}[g, h-1, j, k-1] \right)$$

$$B[a, g, h, j] = \min_{e,f,i} \left(\boxed{C_{\boxtimes}}[e, f-1, h, i-1] + \boxed{C}[a, e|f, g, i, j] \right)$$

$$\boxed{C}'[a, e|f, g, i, j] = \min \begin{cases} \boxed{C}'[a, e-1|f, g, i, j], & \text{if } e-1, \notin \{a, f, g, i, j\} \\ \boxed{C}[a+1, e-1|f, g, i, j] + \Delta G(a, e) & \text{if } \{a+1, e-1\} \cap \{f, g, i, j\} = \emptyset \end{cases}$$

$$\boxed{C}[a, e|f, g, i, j] = \min \begin{cases} \boxed{C}[a+1, e|f, g, i, j], & \text{if } a+1 \notin \{e, f, g, i, j\} \\ \boxed{C}'[a, e-1|f, g, i, j], & \text{if } e-1, \notin \{a, f, g, i, j\} \\ \boxed{C}[a+1, e-1|f, g, i, j] + \Delta G(a, e) & \text{if } \{a+1, e-1\} \cap \{f, g, i, j\} = \emptyset, \\ D'[a, e+1, f, g, i, j] \end{cases}$$

$$D[b, d, f, g, i, j] = \min_c \left(\boxed{C_{\boxtimes}}[c, d-1, f, g-1] + \boxed{C_{\boxtimes}}[b, c-1, i, j-1] \right)$$

