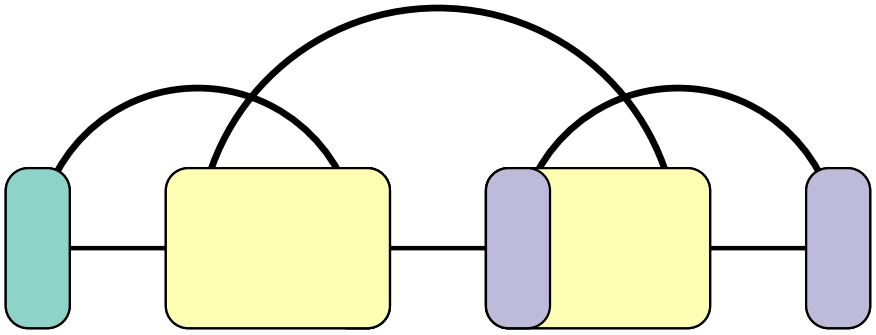
**fatgraph name: K**



a b c d e f g

first and last anchors, already given: $a, h$

$$A = \min\left(B\,[]\right)$$

$$B = \min_{a,c,d,f,h}\Big(D\,[a,f|c,d] + C\,[c,d,f,h]\Big)$$

$$C\,[c,d,f,h] = \min_{g}\Big(C_{\boxtimes}\,[c,d-1,g,h-1]\Big)$$

$$D'\,[a,f|c,d] = \min\begin{cases} D'[a+1,f|c,d], & \text{if } a+1 \notin \{f,c,d\} \\ D\,[a+1,f-1|c,d] + \Delta G(a,f) & \text{if } \{a+1,f-1\}\cap\{c,d\} = \emptyset \end{cases}$$

$$D\,[a,f|c,d] = \min\begin{cases} D\,[a,f-1|c,d], & \text{if } f-1, \notin \{a,c,d\} \\ D'[a+1,f|c,d], & \text{if } a+1 \notin \{f,c,d\} \\ D\,[a+1,f-1|c,d] + \Delta G(a,f) & \text{if } \{a+1,f-1\}\cap\{c,d\} = \emptyset \end{cases}$$