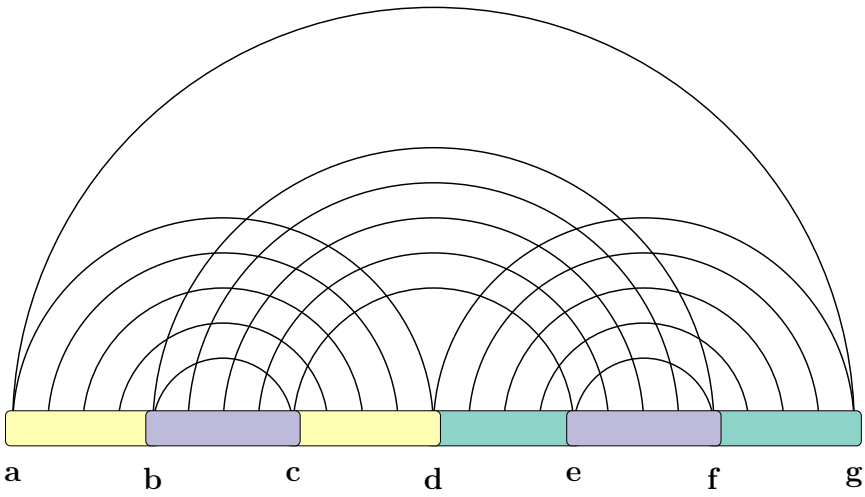
fatgraph name: K



first and last anchors, already given: a, g

$$A = \min_{d} \Big(B\,[d, g|a, d] \Big)$$

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

$$B\,[d, g|a, d'] = \min \begin{cases} B\,[d+1, g|a, d'], & \text{if } d+1 \notin \{g, a, d'\} \\ B'\,[d, g-1|a, d'], & \text{if } g-1, \notin \{d, a, d'\} \\ B\,[d+1, g-1|a, d'] + \Delta G(d, g) & \text{if } \{d+1, g-1\} \cap \{a, d'\} = \emptyset, \\ C\,[a, d'|13, 25] \end{cases}$$

$$C'\,[a, d|e, f] = \min \Big\{ C'\,[a+1, d|e, f], \quad \text{if } a+1 \notin \{d, e, f\}$$

$$C\,[a, d|e, f] = \min \begin{cases} C\,[a, d-1|e, f], & \text{if } d-1, \notin \{a, e, f\} \\ C'\,[a+1, d|e, f], & \text{if } a+1 \notin \{d, e, f\} \\ C\,[a+1, d-1|e, f] + \Delta G(a, d) & \text{if } \{a+1, d-1\} \cap \{e, f\} = \emptyset, \\ C_{\boxtimes}\,[1, 13, e, f] \end{cases}$$