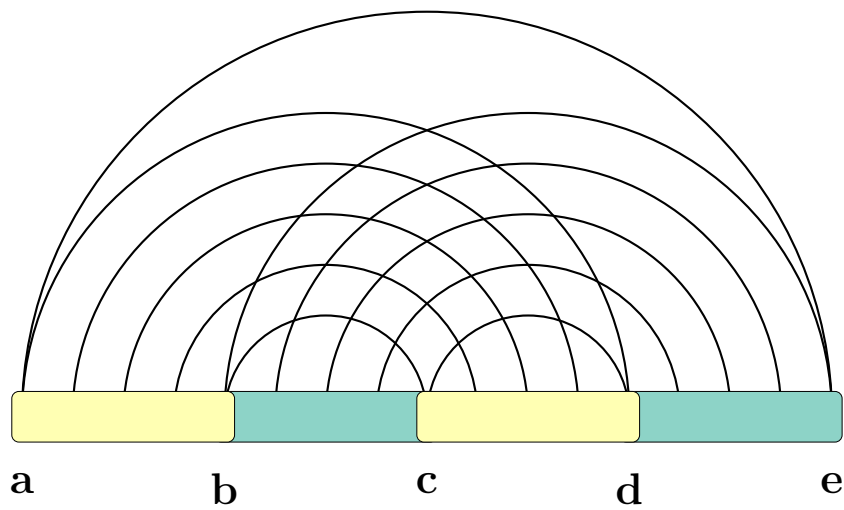


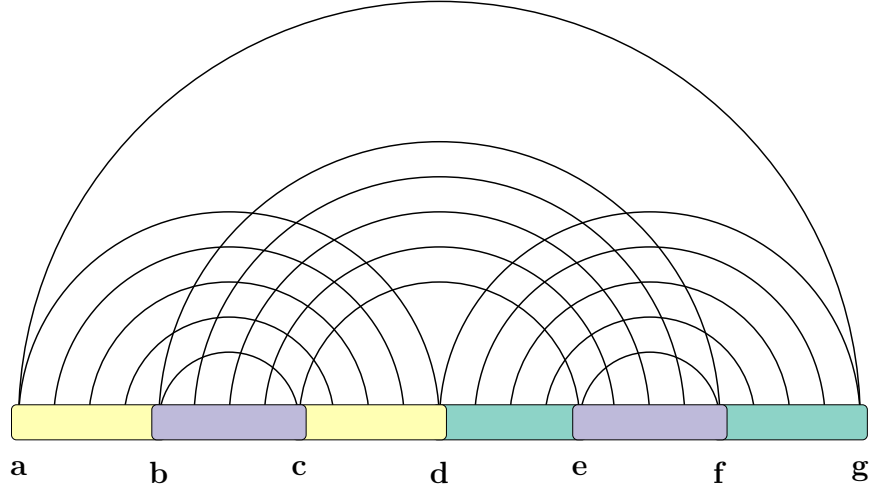
fatgraph name: H



first and last anchors, already given: a, e

$$A = \min_{b,c,d} \left(C_{\text{yellow}}[a, b, c, d] + C_{\text{teal}}[b, c, d, e] \right)$$

fatgraph name: K



first and last anchors, already given: a, g

$$A = \min_d \left(\textcolor{teal}{B}[d, g | d, a] \right)$$

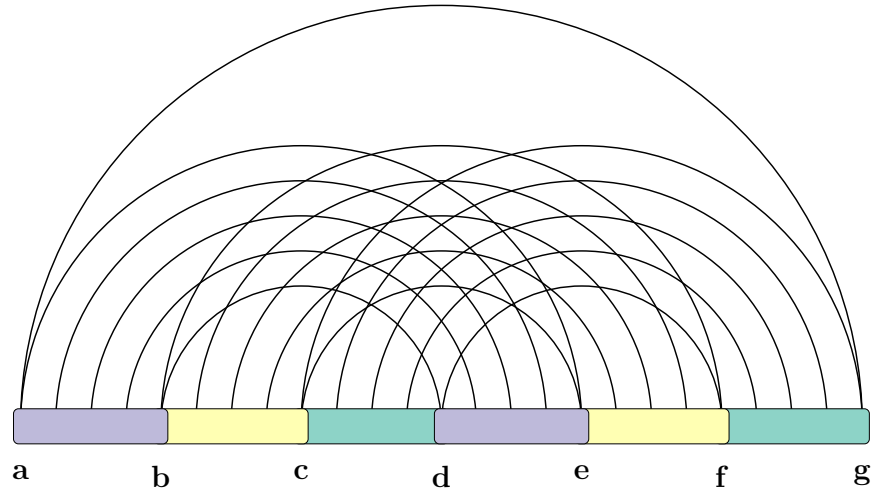
$$\textcolor{teal}{B}'[d, g | d', a] = \min \begin{cases} \textcolor{teal}{B}'[d, g-1 | d', a], & \text{if } g-1, \notin \{d, d', a\} \\ \textcolor{teal}{B}[d+1, g-1 | d', a] + \Delta G(d, g) & \text{if } \{d+1, g-1\} \cap \{d', a\} = \emptyset \end{cases}$$

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

$$\textcolor{yellow}{C}'[d, a | e, f] = \min \left\{ \textcolor{yellow}{C}'[d+1, a | e, f], \quad \text{if } d+1 \notin \{a, e, f\} \right.$$

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

fatgraph name: L

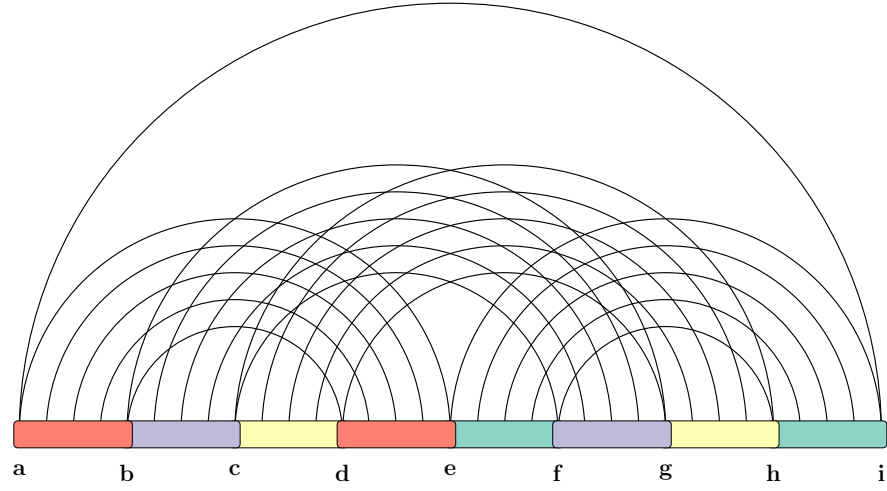


first and last anchors, already given: a, g

$$A = \min_{b,c,d,e,f} \left(C_{\text{purple}}[a, b, d, e] + B[f, d, c, a] + C_{\text{yellow}}[b, c, e, f] \right)$$

$$B[a, c, d, f] = \min \left(C_{\text{teal}}[c, d, f, g] \right)$$

fatgraph name: M



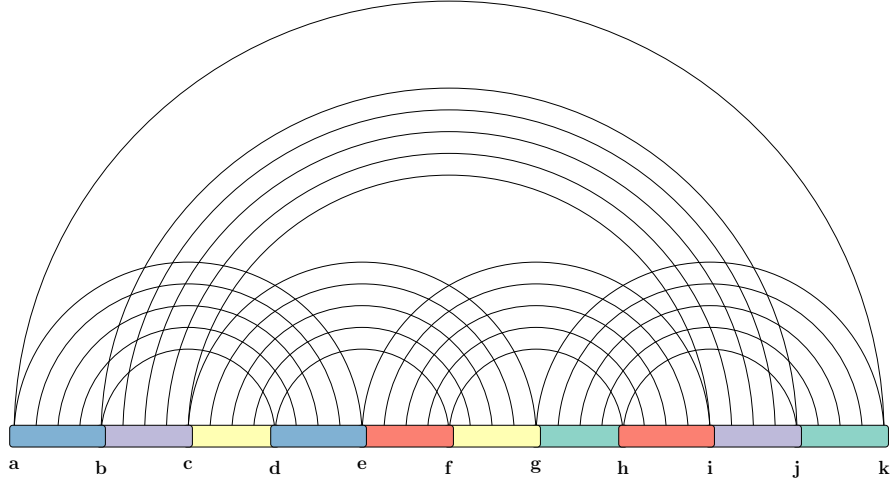
first and last anchors, already given: a, i

$$A = \min_{e,f,h} \left(C_{\boxed{\text{teal}}}[e, f, h, i] + B[h, f, e, a] \right)$$

$$B[a, e, f, h] = \min_{b,d} \left(C[f, b, d, h] + C_{\boxed{\text{red}}}[a, b, d, e] \right)$$

$$C[b, d, f, h] = \min_{c,g} \left(C_{\boxed{\text{yellow}}}[c, d, g, h] + C_{\boxed{\text{purple}}}[b, c, f, g] \right)$$

fatgraph name: C5



first and last anchors, already given: a, k

$$A = \min_{e, f, g, h, i, j} \left(\textcolor{blue}{B}[e, a|i, f, j, g] + D[h, j, a, g] + \textcolor{red}{C}_{\boxtimes}[e, f, h, i] \right)$$

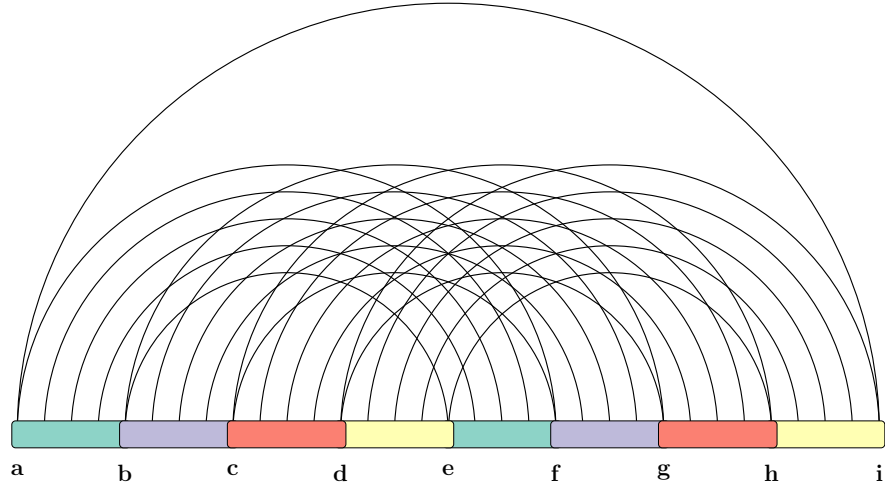
$$\textcolor{blue}{B}'[e, a|i, f, j, g] = \min \left\{ \textcolor{blue}{B}'[e+1, a|i, f, j, g], \quad \text{if } e+1 \notin \{a, i, f, j, g\} \right.$$

$$\left. \textcolor{blue}{B}[e, a|i, f, j, g] = \min \begin{cases} \textcolor{blue}{B}[e, a-1|i, f, j, g], & \text{if } a-1 \notin \{e, i, f, j, g\} \\ \textcolor{blue}{B}'[e+1, a|i, f, j, g], & \text{if } e+1 \notin \{a, i, f, j, g\} \\ \textcolor{blue}{B}[e+1, a-1|i, f, j, g] + \Delta G(e, a) & \text{if } \{e+1, a-1\} \cap \{i, f, j, g\} = \emptyset, \\ C[17, g, 1, f, j, i] \end{cases}$$

$$C[b, d, f, g, i, j] = \min_e \left(\textcolor{yellow}{C}_{\boxtimes}[e, d, f, g] + \textcolor{purple}{C}_{\boxtimes}[b, c, i, j] \right)$$

$$D[a, g, h, j] = \min \left(\textcolor{green}{C}_{\boxtimes}[g, h, j, k] \right)$$

fatgraph name: K4



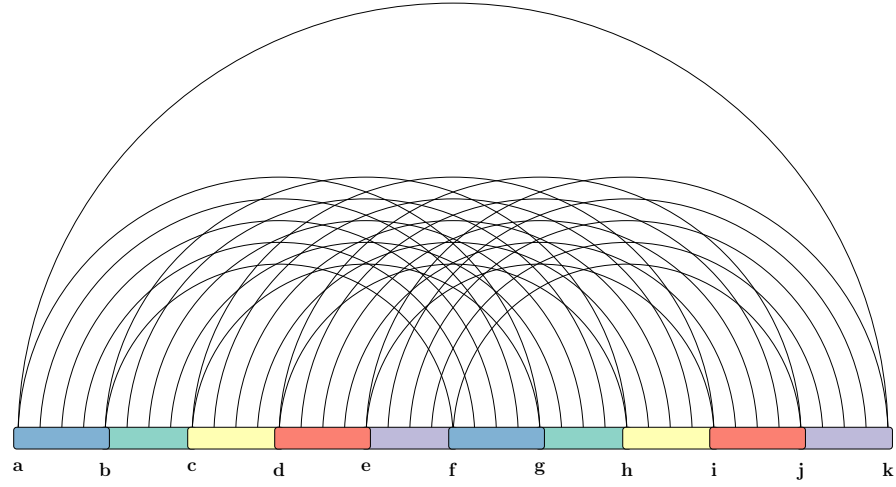
first and last anchors, already given: a, i

$$A = \min_{b,c,e,f,g} \left(B[g, e, c, a] + \text{teal}[a, b, e, f] + \text{purple}[b, c, f, g] \right)$$

$$B[a, c, e, g] = \min_{d,h} \left(C[d, h, e, a] + \text{red}[c, d, g, h] \right)$$

$$C[a, d, e, h] = \min \left(\text{yellow}[d, e, h, i] \right)$$

fatgraph name: K5



first and last anchors, already given: a, k

$$A = \min_{b,d,f,g,i} \left(B[d, f, a, i] + \text{blue}[a, b, f, g] + D[d, g, i, b] \right)$$

$$B[a, d, f, i] = \min_{e,j} \left(\text{red}[d, e, i, j] + C[f, j, e, a] \right)$$

$$C[a, e, f, j] = \min \left(\text{purple}[e, f, j, k] \right)$$

$$D[b, d, g, i] = \min_{c,h} \left(\text{green}[b, c, g, h] + \text{yellow}[c, d, h, i] \right)$$