fatgraph name: C5
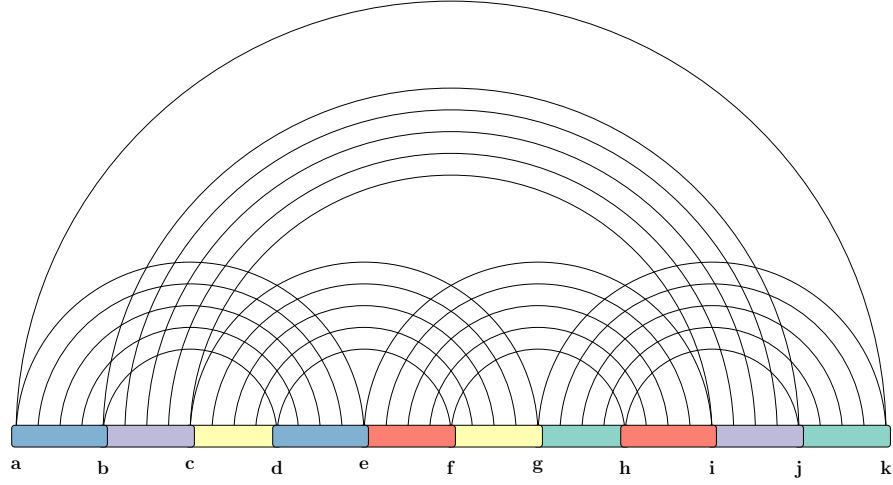

first and last anchors, already given: a, k

$$A = \min_{g,h,j} \Big(B[g, h, a, j] + C_{\boxtimes}[g, h, j, k] \Big)$$

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

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

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

$$D[b, d, f, g, i, j] = \min_{c} \Big(C_{\boxtimes}[c, d, f, g] + C_{\boxtimes}[b, c, i, j] \Big)$$

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