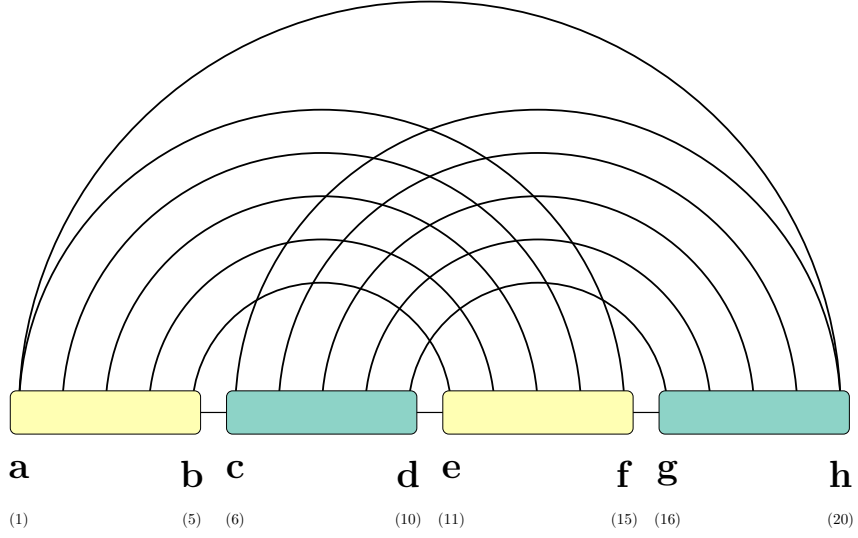


fatgraph name: **H**



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

$$A = \min_{c,d,f} \left( B[c, f, d, h] + \text{yellow}[f, a \mid c, d] \right)$$

$$B[c, d, f, h] = \min_g \left( \text{teal}[c, d, g, h] \right)$$

$$\text{yellow}'[f, a \mid c, d] = \min \left\{ \text{yellow}'[f+1, a \mid c, d], \quad \text{if } f+1 \notin \{a, c, d\} \right.$$

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