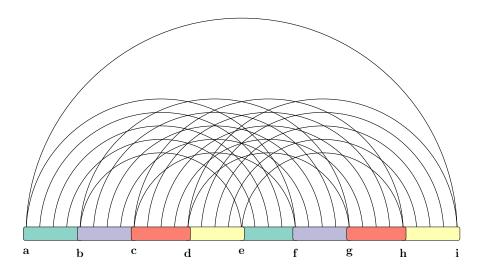
fatgraph name: K4



first and last anchors, already given: a, i

$$\begin{split} A &= \min_{b,c,e,f,g} \left(B[g,e,c,a] + \boxed{C_{\boxtimes}} \left[a,b,e,f \right] + \boxed{C_{\boxtimes}} \left[b,c,f,g \right] \right) \\ &B\left[a,c,e,g \right] = \min_{d,h} \left(C[d,h,e,a] + \boxed{C_{\boxtimes}} \left[c,d,g,h \right] \right) \\ &C\left[a,d,e,h \right] = \min \left(\boxed{C_{\boxtimes}} \left[d,e,h,i \right] \right) \end{split}$$