fatgraph name: M

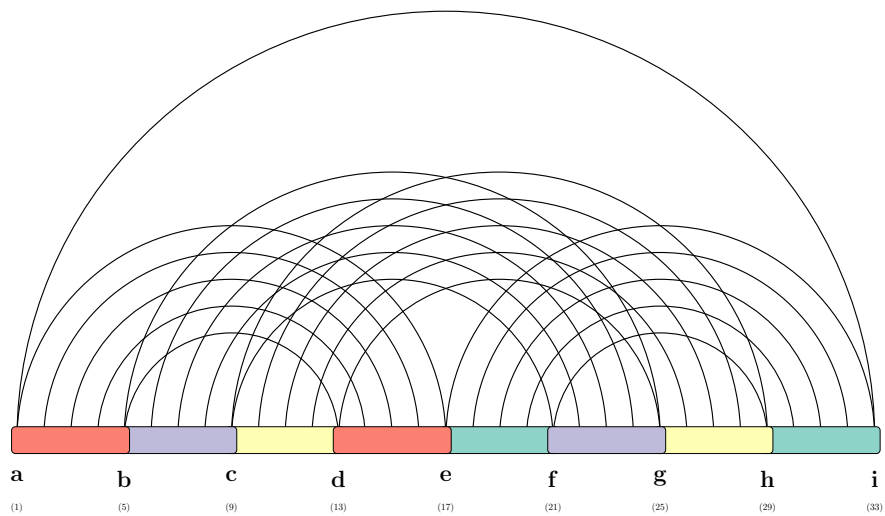a (1) b (5) c (9) d (13) e (17) f (21) g (25) h (29) i (33)

first and last anchors, already given: a, i

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

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

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