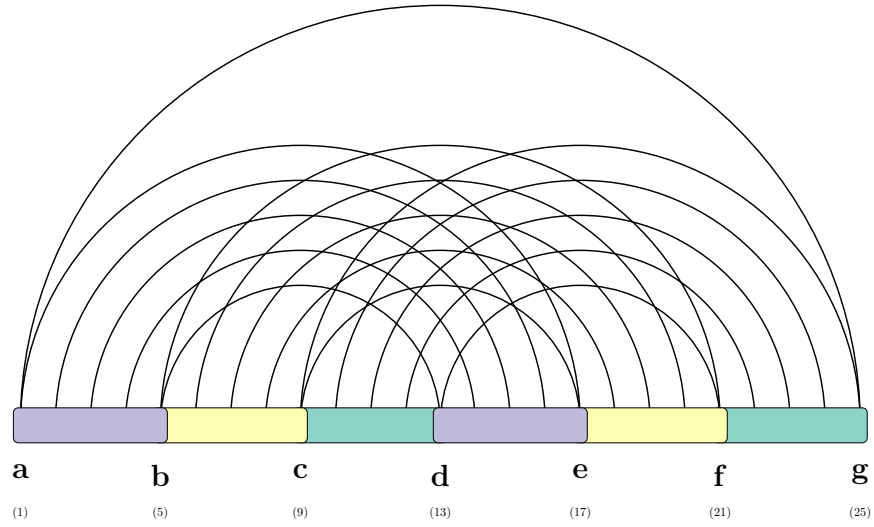**fatgraph name: L**

first and last anchors, already given: a, g

$$A = \min_{c,d,f} \left(B[d, a, c, f] + \boxed{C_\boxtimes}\,[c, d, f, g] \right)$$

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