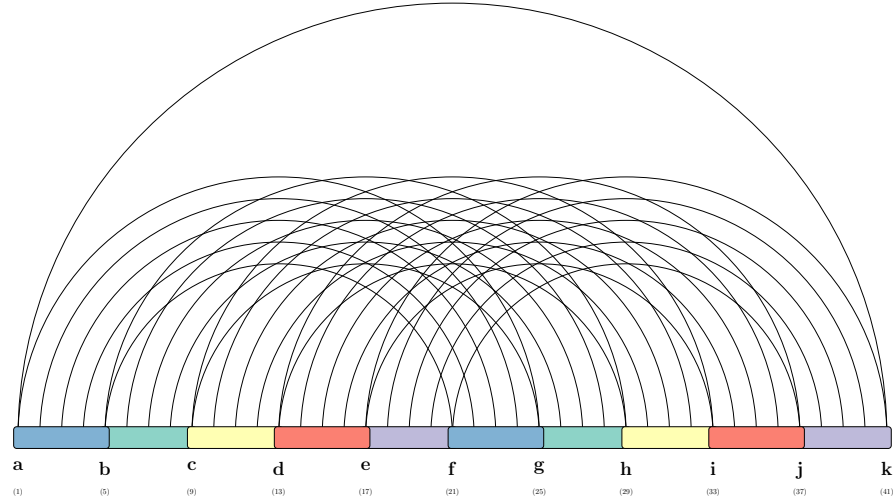


fatgraph name: K5



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

$$A = \min_{e,f,j} \left( B[a, e, j, f] + C_{\text{purple}}[e, f, j, k] \right)$$

$$B[a, e, f, j] = \min_{d,i} \left( C[a, d, i, f] + C_{\text{red}}[d, e, i, j] \right)$$

$$C[a, d, f, i] = \min_{b,g} \left( C_{\text{blue}}[a, b, f, g] + D[d, g, i, b] \right)$$

$$D[b, d, g, i] = \min_{c,h} \left( C_{\text{green}}[b, c, g, h] + C_{\text{yellow}}[c, d, h, i] \right)$$