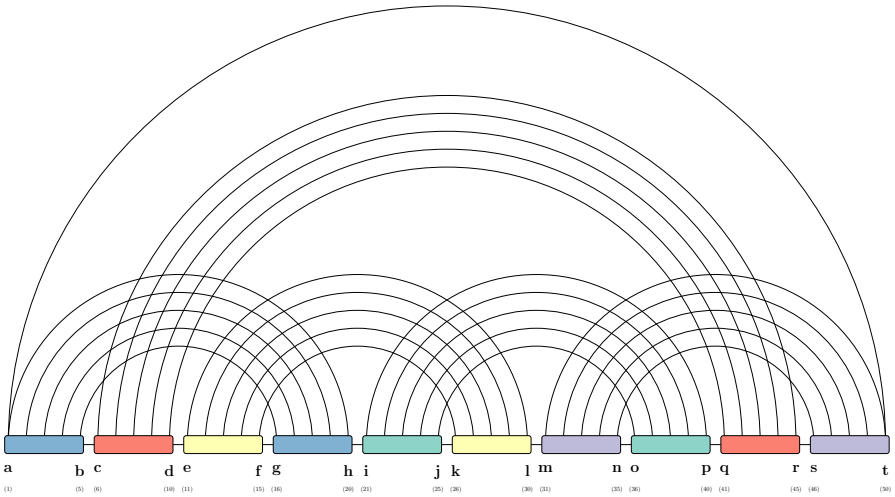
fatgraph name: C5



first and last anchors, already given: a, t

$$A\,[a,t] = \min_{m,n,r} \left(B[r,a,m,n] + M[r,t,m,n]\right)$$

$$B\,[a,m,n,r] = \min_{l} \left(C[r,a,l,n]\right)$$

$$C\,[a,l,n,r] = \min_{h,k,p} \left(D\,[a,h \mid r,p,l,k] + J[h,n,p,k,a]\right)$$

$$D'\,[a,h \mid r,p,l,k] = \min \begin{cases} D'[a,h-1 \mid r,p,l,k], & \text{if } h-1, \notin \{a,r,p,l,k\} \\ D\,[a+1,h-1 \mid r,p,l,k] + \Delta G(a,h) & \text{if } \{a+1,h-1\} \cap \{r,p,l,k\} = \emptyset \end{cases}$$

$$D\,[a,h \mid r,p,l,k] = \min \begin{cases} D\,[a+1,h \mid r,p,l,k], & \text{if } a+1 \notin \{h,r,p,l,k\} \\ D'[a,h-1 \mid r,p,l,k], & \text{if } h-1, \notin \{a,r,p,l,k\} \\ D\,[a+1,h-1 \mid r,p,l,k] + \Delta G(a,h) & \text{if } \{a+1,h-1\} \cap \{r,p,l,k\} = \emptyset, \\ E[l,r,p,k,h,a] \end{cases}$$

$$E\,[b,g,k,l,p,r] = \min_{e} \left(F[r,p,b,e] + I[l,e,k,g,b]\right)$$

$$F\,[b,e,p,r] = \min_{c} \left(G[r,p,c,e]\right)$$

$$G\,[c,e,p,r] = \min_{q} \left(H[r,q,c,e]\right)$$

$$H\,[c,e,q,r] = \min_{d} \left(C_{\boxtimes}\,[c,d,q,r]\right)$$

$$I\,[b,e,g,k,l] = \min_{f} \left(C_{\boxtimes}\,[e,f,k,l]\right)$$

$$J\left[a,h,k,n,p\right] = \min_{i}\left(K[n,p,k,i]\right)$$

$$K\left[i,k,n,p\right] = \min_{o}\left(L[p,k,o,i]\right)$$

$$L\left[i,k,o,p\right] = \min_{j}\left(C_{\boxtimes}\left[i,j,o,p\right]\right)$$

$$M\left[m,n,r,t\right] = \min_{s}\left(C_{\boxtimes}\left[m,n,s,t\right]\right)$$