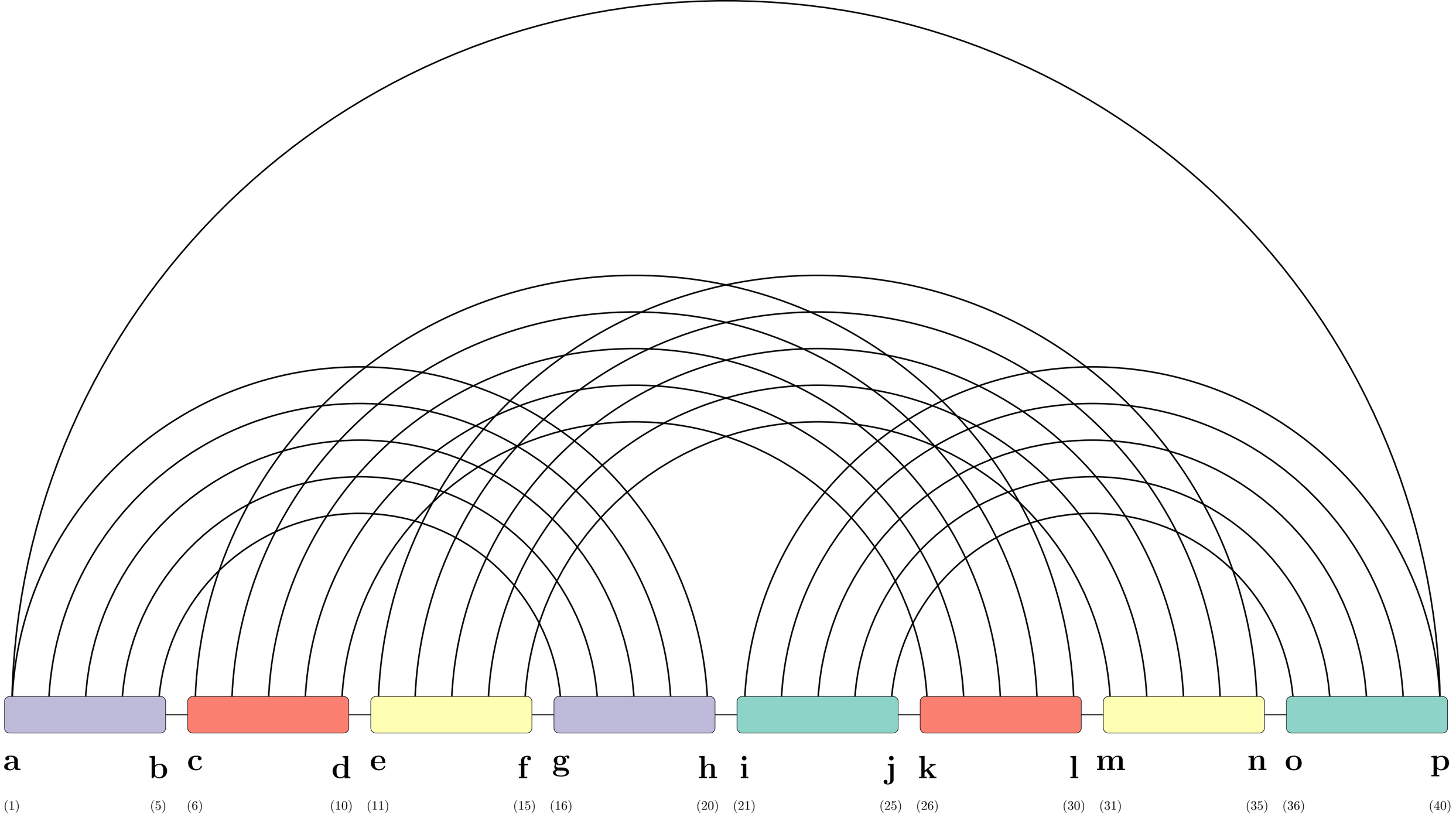
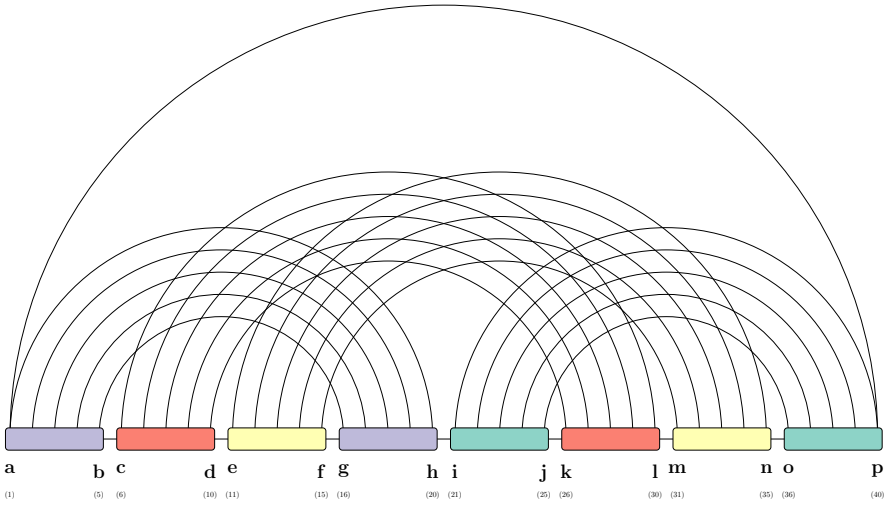

a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
(1)
(5)
(6)
(10)
(11)
(15)
(16)
(20)
(21)
(25)
(26)
(30)
(31)
(35)
(36)
(40)

fatgraph name: M



first and last anchors, already given: a, p

$$A = \min_{i,j,n} \left(B[j,i,a,n] + I[j,i,n,p] \right)$$

$$B\left[a,i,j,n\right] = \min_{b,g} \left(C[j,b,g,n] + H[i,b,g,a] \right)$$

$$C\left[b,g,j,n\right] = \min_{c,f} \left(D[j,c,n,f] \right)$$

$$D\left[c,f,j,n\right] = \min_{d,l} \left(E[j,l,c,d] + F[l,n,f,d] \right)$$

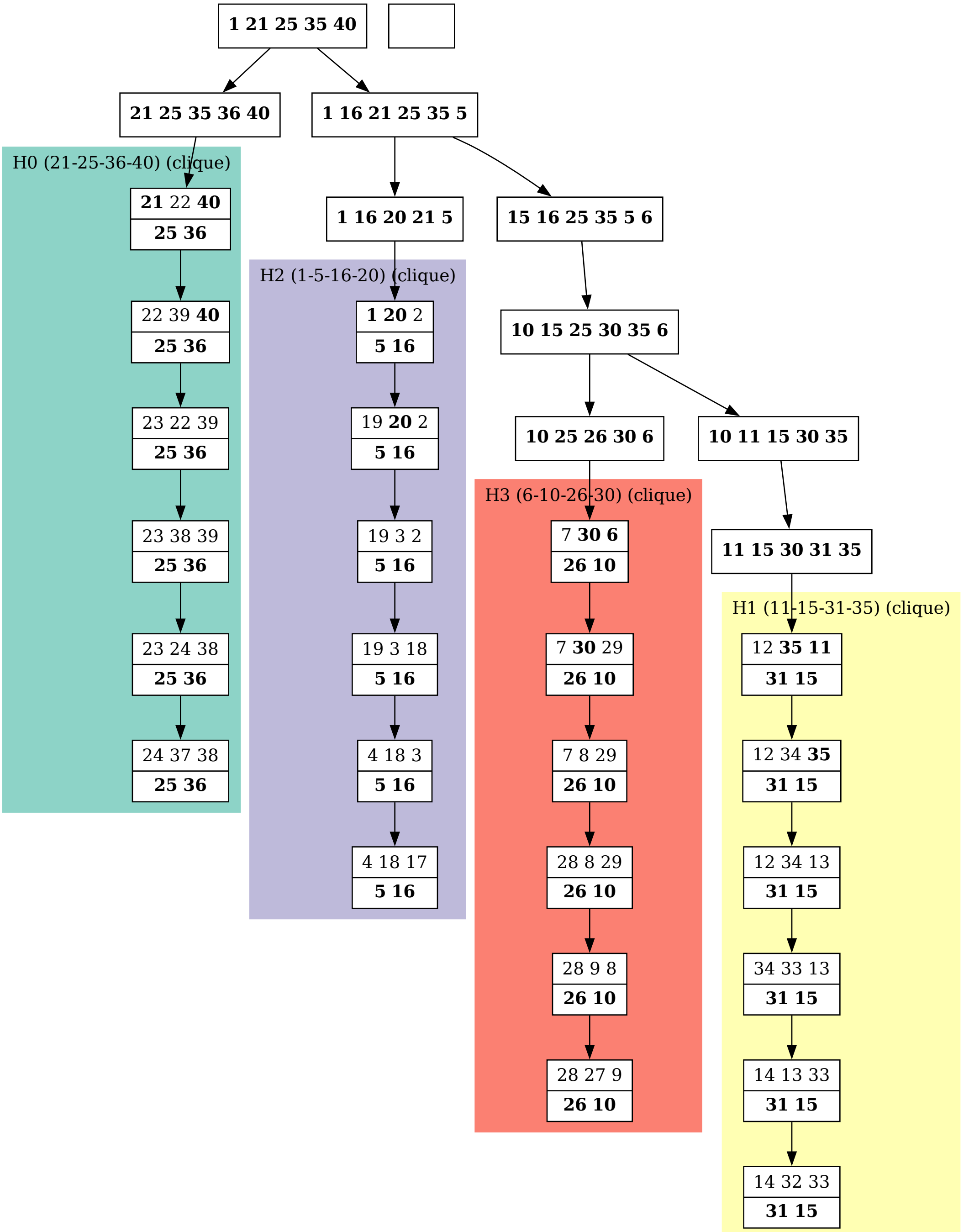
$$E\left[c,d,j,l\right] = \min_{k} \left(C_{\boxtimes}[c,d,k,l] \right)$$

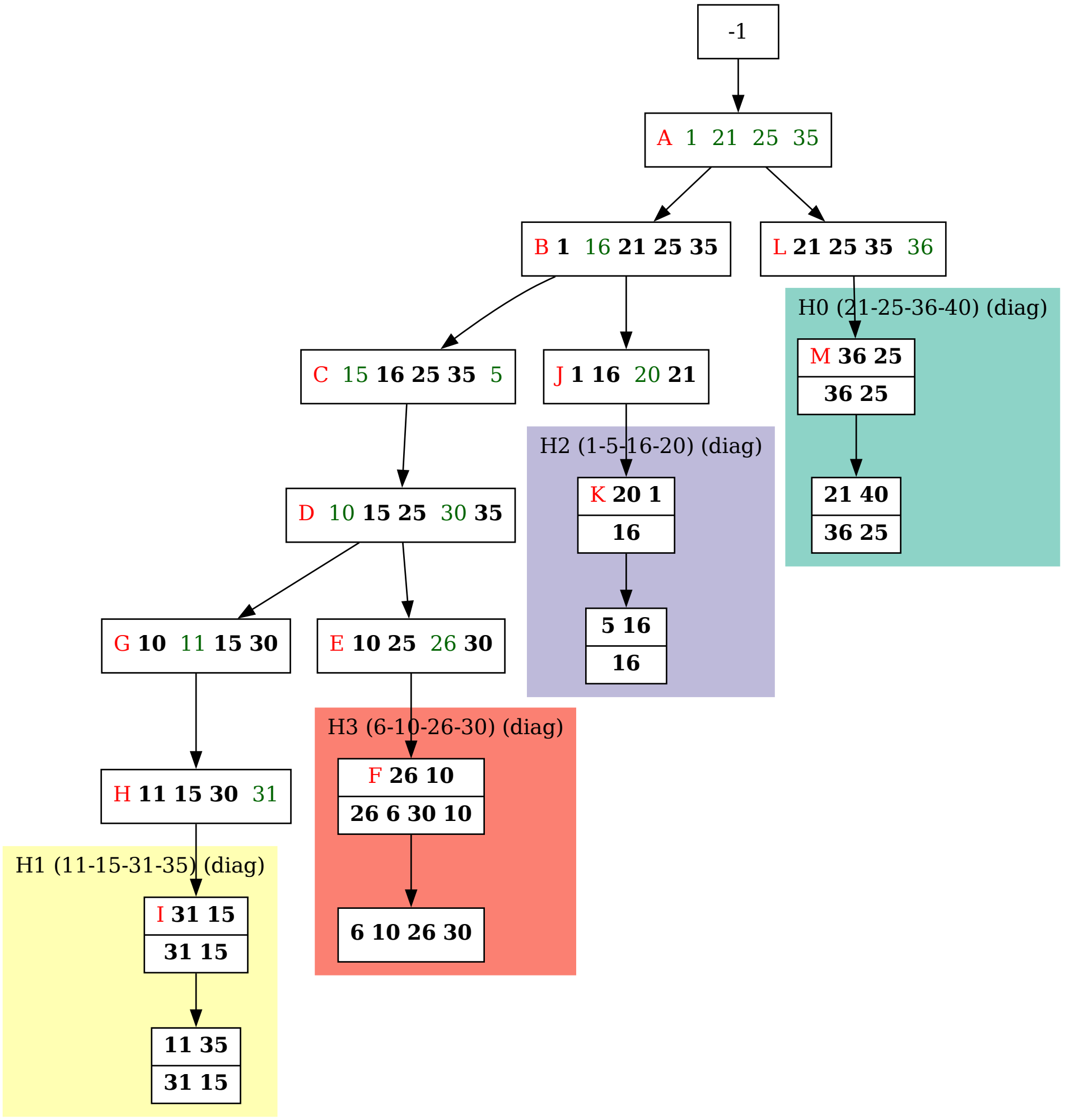
$$F\left[d,f,l,n\right] = \min_{e} \left(G[e,l,n,f] \right)$$

$$G\left[e,f,l,n\right] = \min_{m} \left(C_{\boxtimes}[e,f,m,n] \right)$$

$$H\left[a,b,g,i\right] = \min_{h} \left(C_{\boxtimes}[a,b,g,h] \right)$$

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


1 21 25 35 40
21 25 35 36 40
1 16 21 25 35 5
H0 (21-25-36-40) (clique)
21 22 40
25 36
22 39 40
25 36
23 22 39
25 36
23 38 39
25 36
23 24 38
25 36
24 37 38
25 36
1 16 20 21 5
H2 (1-5-16-20) (clique)
1 20 2
5 16
19 20 2
5 16
19 3 2
5 16
19 3 18
5 16
4 18 3
5 16
4 18 17
5 16
15 16 25 35 5 6
10 15 25 30 35 6
10 25 26 30 6
H3 (6-10-26-30) (clique)
7 30 6
26 10
7 30 29
26 10
7 8 29
26 10
28 8 29
26 10
28 9 8
26 10
28 27 9
26 10
10 11 15 30 35
11 15 30 31 35
H1 (11-15-31-35) (clique)
12 35 11
31 15
12 34 35
31 15
12 34 13
31 15
34 33 13
31 15
14 13 33
31 15
14 32 33
31 15


-1
A 1 21 25 35
B 1 16 21 25 35
L 21 25 35 36
C 15 16 25 35 5
J 1 16 20 21
H0 (21-25-36-40) (diag)
M 36 25
36 25
21 40
36 25
H2 (1-5-16-20) (diag)
K 20 1
16
5 16
16
D 10 15 25 30 35
G 10 11 15 30
E 10 25 26 30
H3 (6-10-26-30) (diag)
F 26 10
26 6 30 10
6 10 26 30
H 11 15 30 31
H1 (11-15-31-35) (diag)
I 31 15
31 15
11 35
31 15