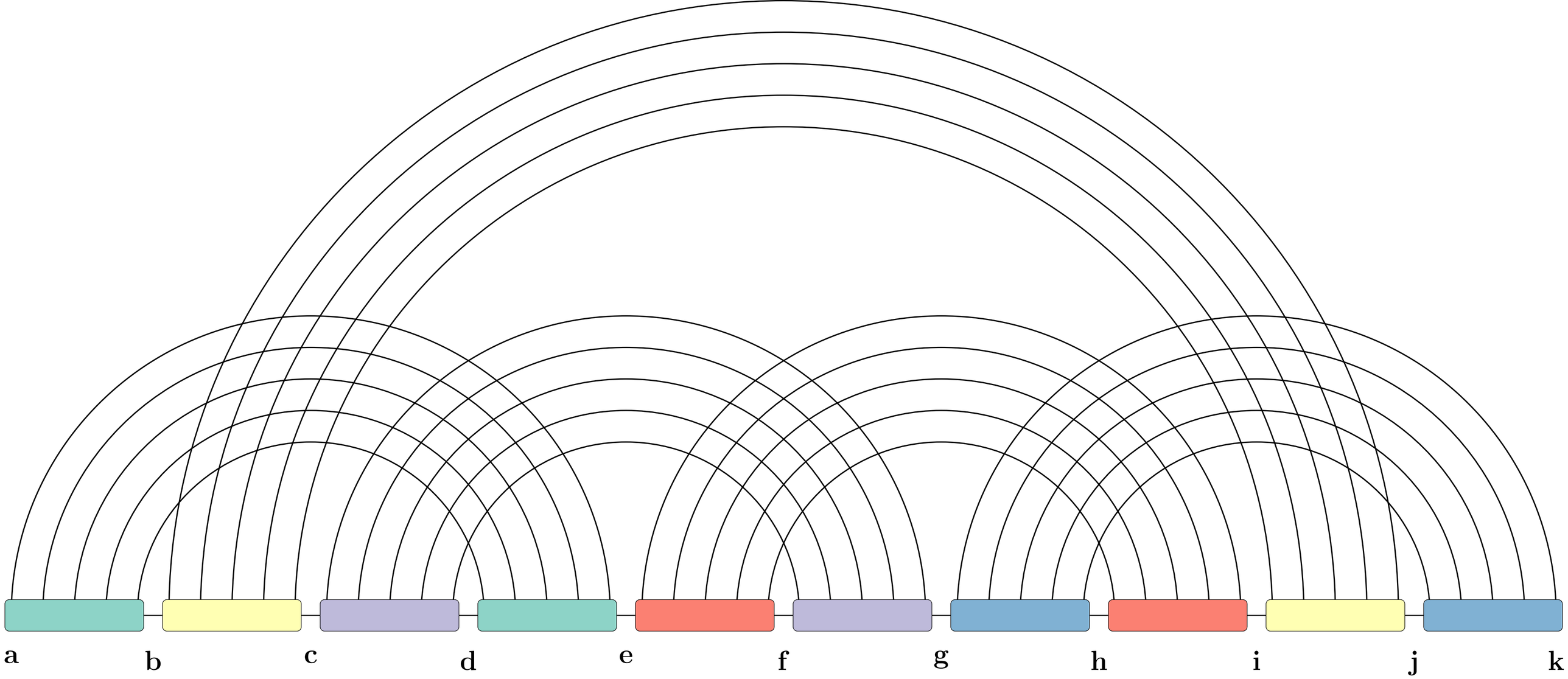
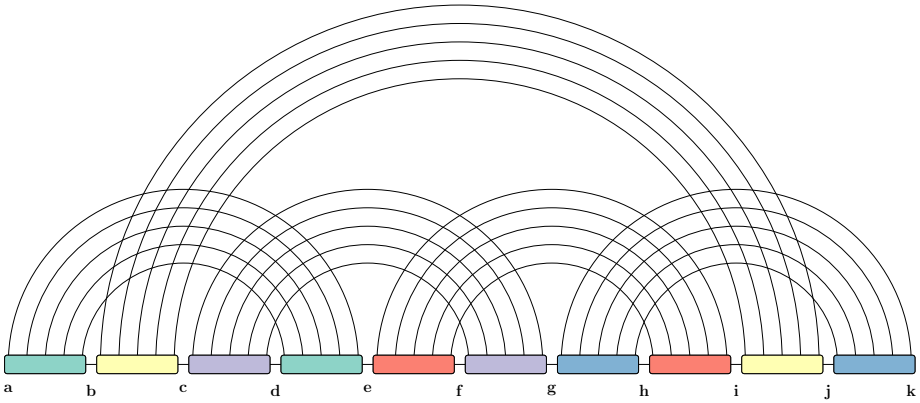

a
b
c
d
e
f
g
h
i
j
k

fatgraph name: C5



first and last anchors, already given: a, k

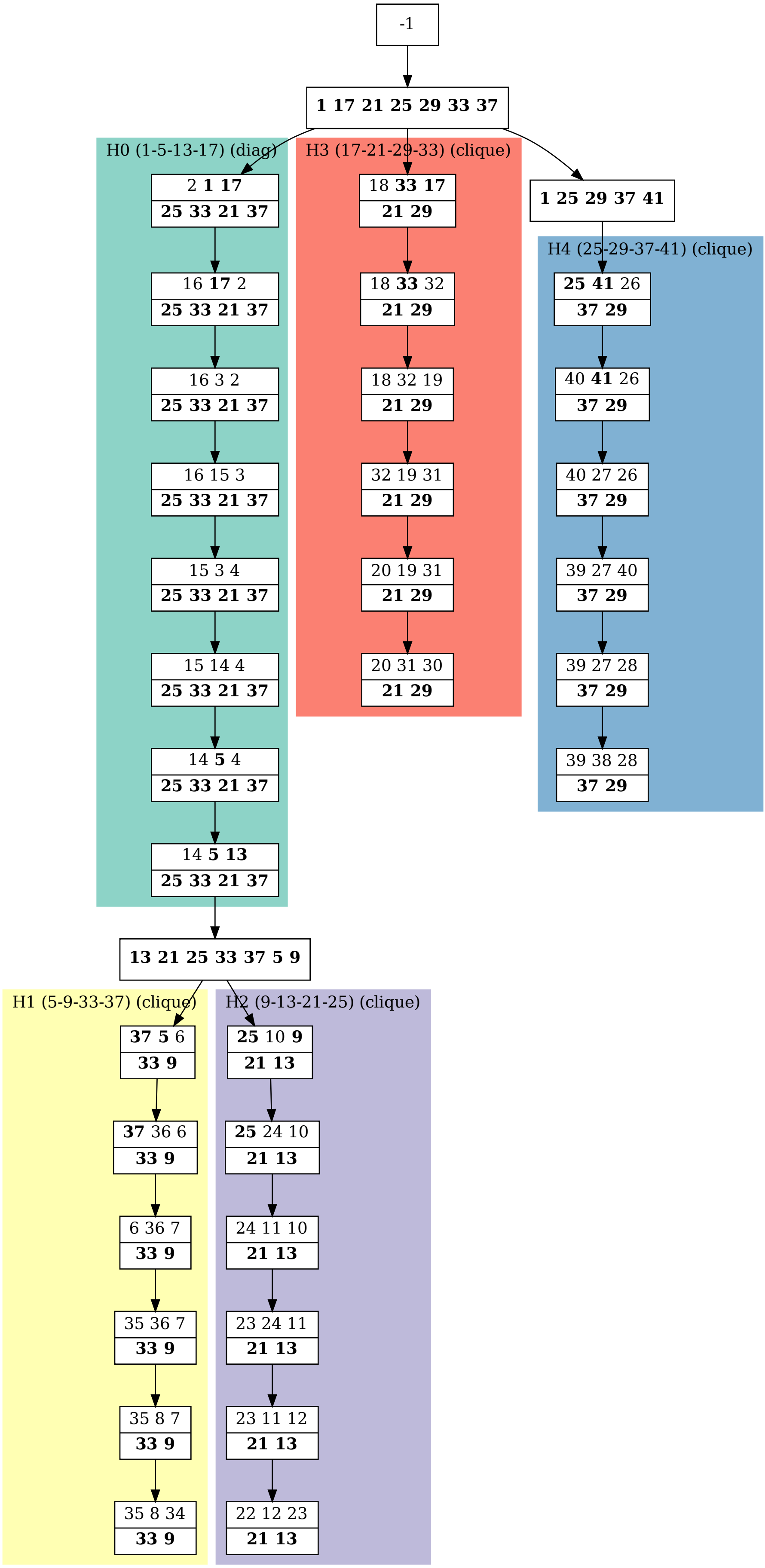
$$A = \min_{g,h,j} \Big(B\,[a,g,h,j] + C_{\boxtimes}\,[g,h-1,j,k-1] \Big)$$

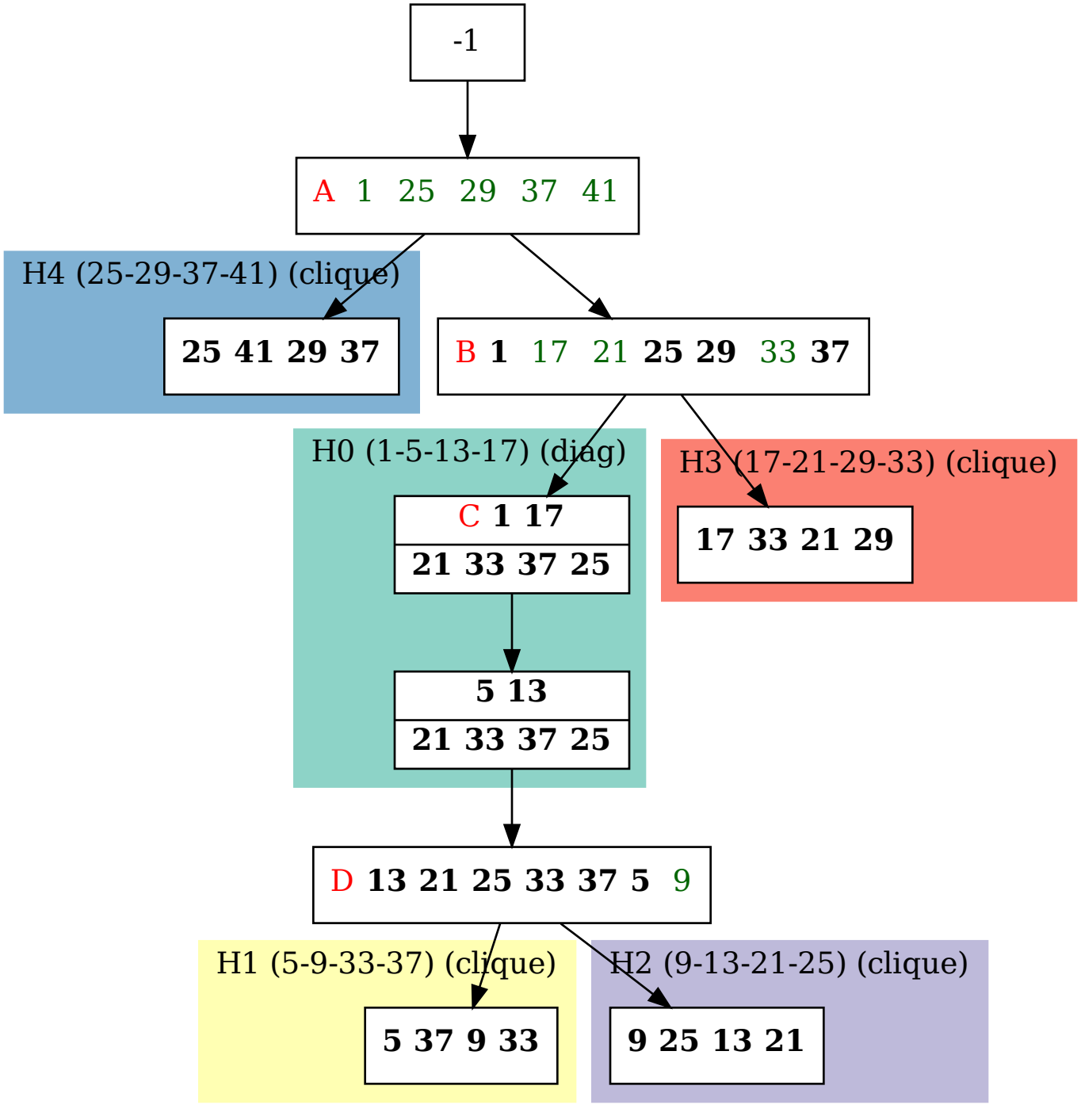
$$B\,[a,g,h,j] = \min_{e,f,i} \Big(C_{\boxtimes}\,[e,f-1,h,i-1] + C\,[a,e|f,g,i,j] \Big)$$

$$C'\,[a,e|f,g,i,j] = \min \begin{cases} C'[a,e-1|f,g,i,j], & \text{if } e-1, \notin \{a,f,g,i,j\} \\ C\,[a+1,e-1|f,g,i,j] + \Delta G(a,e) & \text{if } \{a+1,e-1\} \cap \{f,g,i,j\} = \emptyset \end{cases}$$

$$C\,[a,e|f,g,i,j] = \min \begin{cases} C\,[a+1,e|f,g,i,j], & \text{if } a+1 \notin \{e,f,g,i,j\} \\ C'[a,e-1|f,g,i,j], & \text{if } e-1, \notin \{a,f,g,i,j\} \\ C\,[a+1,e-1|f,g,i,j] + \Delta G(a,e) & \text{if } \{a+1,e-1\} \cap \{f,g,i,j\} = \emptyset, \\ D'[a,e+1,f,g,i,j] \end{cases}$$

$$D\,[b,d,f,g,i,j] = \min_{c} \Big(C_{\boxtimes}\,[c,d-1,f,g-1] + C_{\boxtimes}\,[b,c-1,i,j-1] \Big)$$


-1
1 17 21 25 29 33 37
H0 (1-5-13-17) (diag)
2 1 17
25 33 21 37
16 17 2
25 33 21 37
16 3 2
25 33 21 37
16 15 3
25 33 21 37
15 3 4
25 33 21 37
15 14 4
25 33 21 37
14 5 4
25 33 21 37
14 5 13
25 33 21 37
H3 (17-21-29-33) (clique)
18 33 17
21 29
18 33 32
21 29
18 32 19
21 29
32 19 31
21 29
20 19 31
21 29
20 31 30
21 29
1 25 29 37 41
H4 (25-29-37-41) (clique)
25 41 26
37 29
40 41 26
37 29
40 27 26
37 29
39 27 40
37 29
39 27 28
37 29
39 38 28
37 29
13 21 25 33 37 5 9
H1 (5-9-33-37) (clique)
37 5 6
33 9
37 36 6
33 9
6 36 7
33 9
35 36 7
33 9
35 8 7
33 9
35 8 34
33 9
H2 (9-13-21-25) (clique)
25 10 9
21 13
25 24 10
21 13
24 11 10
21 13
23 24 11
21 13
23 11 12
21 13
22 12 23
21 13


-1
A 1 25 29 37 41
H4 (25-29-37-41) (clique)
25 41 29 37
B 1 17 21 25 29 33 37
H0 (1-5-13-17) (diag)
C 1 17
21 33 37 25
5 13
21 33 37 25
H3 (17-21-29-33) (clique)
17 33 21 29
D 13 21 25 33 37 5 9
H1 (5-9-33-37) (clique)
5 37 9 33
H2 (9-13-21-25) (clique)
9 25 13 21