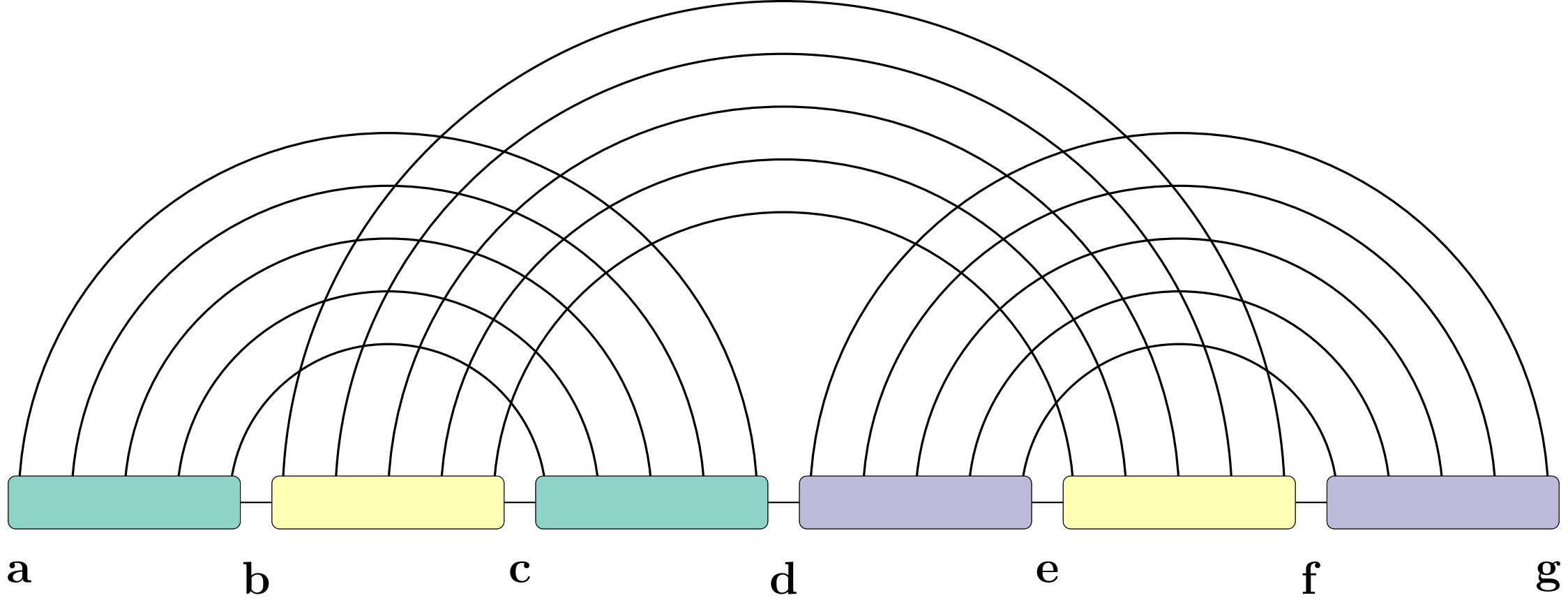
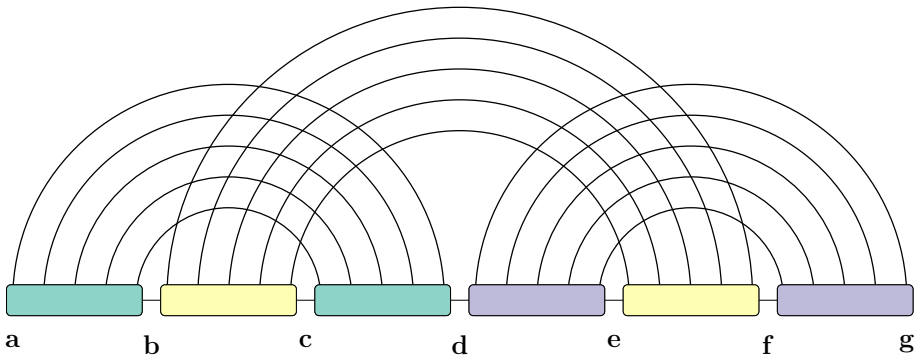

a
b
c
d
e
f
g

fatgraph name: K



first and last anchors, already given: a, g

$$A = \min_{d} \Big(B\,[a, d|d, g] \Big)$$

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

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

$$C'\,[d, g|b, c] = \min \begin{cases} C'\,[d, g-1|b, c], & \text{if } g-1, \notin \{d, b, c\} \\ C\,[d+1, g-1|b, c] + \Delta G(d, g) & \text{if } \{d+1, g-1\} \cap \{b, c\} = \emptyset \end{cases}$$

$$C\,[d, g|b, c] = \min \begin{cases} C\,[d+1, g|b, c], & \text{if } d+1 \notin \{g, b, c\} \\ C'\,[d, g-1|b, c], & \text{if } g-1, \notin \{d, b, c\} \\ C\,[d+1, g-1|b, c] + \Delta G(d, g) & \text{if } \{d+1, g-1\} \cap \{b, c\} = \emptyset, \\ C_{\boxtimes}'\,[b, c-1, d, g+1-1] \end{cases}$$

-1

1 13 25

H0 (1-5-9-13) (diag)

1 2
25 13

2 3 12
25 13

11 3 12
25 13

11 4 3
25 13

11 4 10
25 13

5 4 10
25 13

9 5 10
25 13

H2 (13-17-21-25) (diag)

25 14 **13**
5 9

25 14 24
5 9

15 14 24
5 9

23 15 24
5 9

23 15 16
5 9

23 16 22
5 9

16 **17** 22
5 9

22 **21 17**
5 9

H1 (5-9-17-21) (clique)

5 6 **21**
17 9

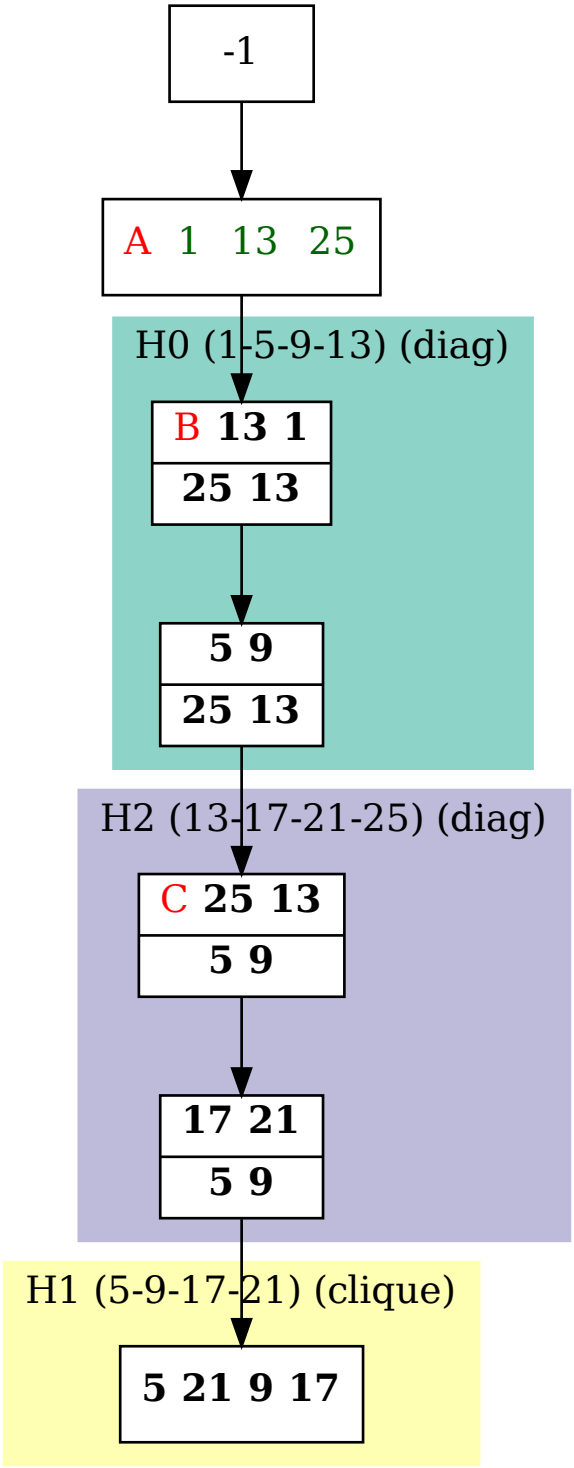
20 6 **21**
17 9

20 6 7
17 9

20 7 19
17 9

8 7 19
17 9

8 18 19
17 9


-1
A 1 13 25
H0 (1-5-9-13) (diag)
B 13 1
25 13
5 9
25 13
H2 (13-17-21-25) (diag)
C 25 13
5 9
17 21
5 9
H1 (5-9-17-21) (clique)
5 21 9 17