fatgraph name: K5
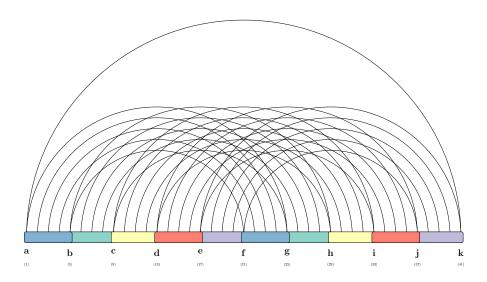

first and last anchors, already given: a, k

$$A = \min_{e,f,j} \Big(B[a,e,j,f] + \boxed{C_{\boxtimes}} [e,f,j,k] \Big)$$

$$B\,[a,e,f,j] = \min_{d,i} \Big(C[a,d,i,f] + \boxed{C_{\boxtimes}} [d,e,i,j] \Big)$$

$$C\,[a,d,f,i] = \min_{b,g} \Big(\boxed{C_{\boxtimes}} [a,b,f,g] + D[d,g,i,b] \Big)$$

$$D\,[b,d,g,i] = \min_{c,h} \Big(\boxed{C_{\boxtimes}} [b,c,g,h] + \boxed{C_{\boxtimes}} [c,d,h,i] \Big)$$

1

1 17 21 37 41

1 13 17 21 33 37

1 13 21 25 33 5

13 25 29 33 5 9

H2 (17-21-37-41) (clique)

| **41** 18 **17** |
| **37 21** |

| **41** 40 18 |
| **37 21** |

| 40 18 19 |
| **37 21** |

| 40 19 39 |
| **37 21** |

| 20 19 39 |
| **37 21** |

| 20 38 39 |
| **37 21** |

H3 (13-17-33-37) (clique)

| **37** 14 **13** |
| **33 17** |

| **37** 14 36 |
| **33 17** |

| 15 14 36 |
| **33 17** |

| 15 35 36 |
| **33 17** |

| 16 15 35 |
| **33 17** |

| 16 35 34 |
| **33 17** |

H4 (1-5-21-25) (clique)

| 2 **25 1** |
| **21 5** |

| 2 24 **25** |
| **21 5** |

| 3 24 2 |
| **21 5** |

| 3 24 23 |
| **21 5** |

| 3 4 23 |
| **21 5** |

| 23 22 4 |
| **21 5** |

H0 (5-9-25-29) (clique)

| 6 **29 5** |
| **25 9** |

| 28 6 **29** |
| **25 9** |

| 28 6 7 |
| **25 9** |

| 27 28 7 |
| **25 9** |

| 27 8 7 |
| **25 9** |

| 27 8 26 |
| **25 9** |

H1 (9-13-29-33) (clique)

| 10 **33 9** |
| **13 29** |

| 10 **33** 32 |
| **13 29** |

| 11 10 32 |
| **13 29** |

| 11 31 32 |
| **13 29** |

| 11 31 12 |
| **13 29** |

| 30 31 12 |
| **13 29** |