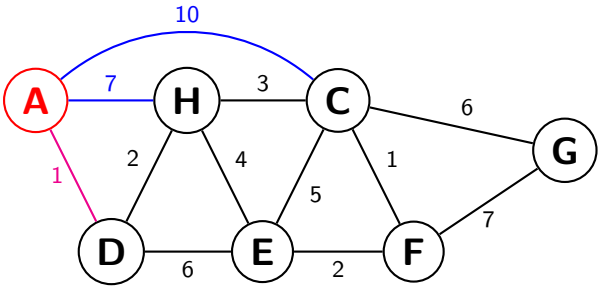
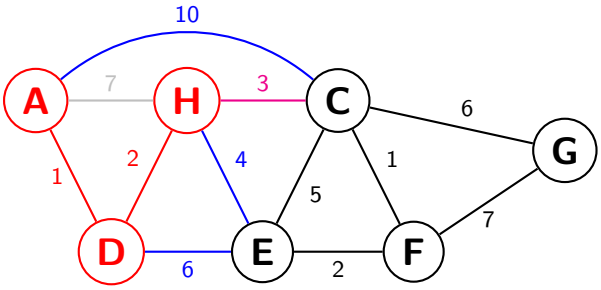
Step 0



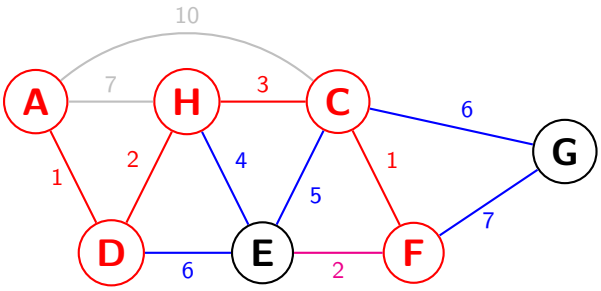
$K = \emptyset \quad S = \{A\} \quad U = \{D, H, E, C, F, G\}$
$B = \{\mathbf{AD^1}, AH^7, AC^{10}\} \quad b = AD$

Step 2



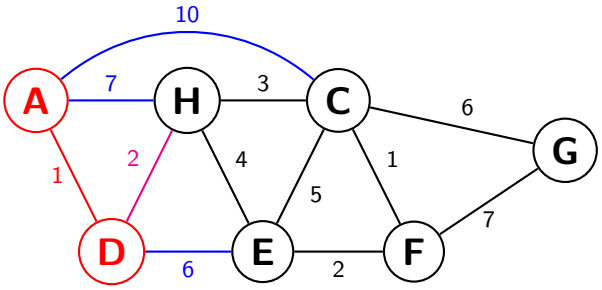
$K = \{AD, DH\} \quad S = \{A, D, H\} \quad U = \{E, C, F, G\}$
$B = \{AC^{10}, \mathbf{HC^3}, HE^4, DE^6\} \quad b = HC$

Step 4



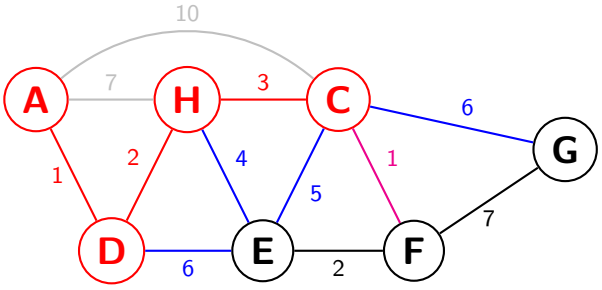
$K = \{AD, DH, HC, CF\} \quad S = \{A, D, H, C, F\}$
$U = \{E, G\}$
$B = \{HE^4, DE^6\, CE^5, \mathbf{FE^2}, FG^7, CG^6\} \quad b = FE$

Step 1



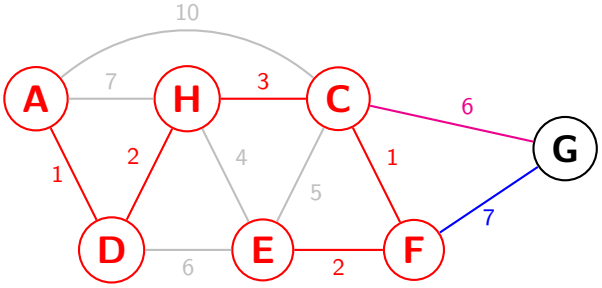
$K = \{AD\} \quad S = \{A, D\} \quad U = \{H, E, C, F, G\}$
$B = \{AH^7, AC^{10}, \mathbf{DH^2}, DE^6\} \quad b = DH$

Step 3



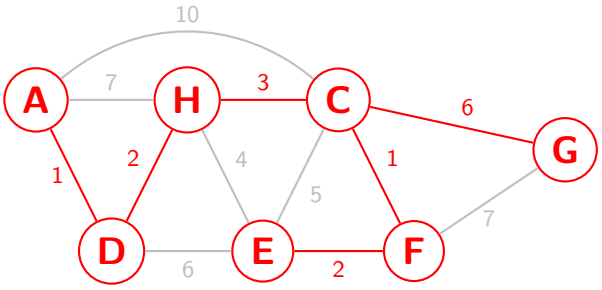
$K = \{AD, DH, HC\} \quad S = \{A, D, H, C\} \quad U = \{E, F, G\}$
$B = \{HE^4, DE^6\, CE^5, \mathbf{CF^1}, CG^6\} \quad b = CF$

Step 5



$K = \{AD, DH, HC, CF, FE\} \quad S = \{A, D, H, C, F, E\} \quad U = \{G\}$
$B = \{FG^7, \mathbf{CG^6}\} \quad b = CG$

Result: Minimal Spanning Tree



$K = \{AD, DH, HC, CF, FE, CG\}$
$S = \{A, D, H, C, F, E, G\}$
$U = \emptyset$