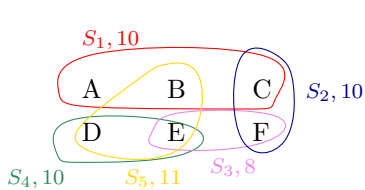
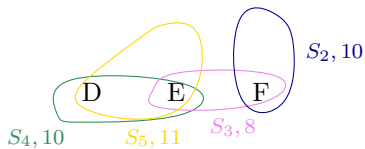


$$S_1 = \{A, B, C\}, S_2 = \{C, F\}, S_3 = \{E, F\}, S_4 = \{D, E\}, S_5 = \{B, D, E\},$$



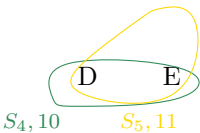
Step 0

$$\boxed{\alpha_{S_1} = \frac{10}{3}}, \alpha_{S_2} = \frac{10}{2}, \alpha_{S_3} = \frac{8}{2}, \alpha_{S_4} = \frac{10}{2}, \alpha_{S_5} = \frac{11}{3}$$



Step 1

$$\alpha_{S_1} = \frac{10}{1}, \boxed{\alpha_{S_3} = \frac{8}{2}}, \alpha_{S_4} = \frac{10}{2}, \alpha_{S_5} = \frac{11}{2}$$



Step 2

$$\boxed{\alpha_{S_4} = \frac{10}{1}}, \alpha_{S_5} = \frac{11}{1}$$

$$ALGO = c(S_1 \cup S_3 \cup S_4) = 10+8+10 = 28$$