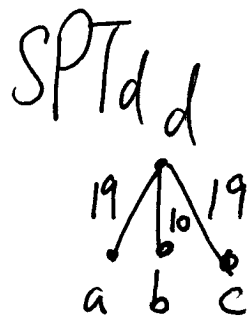
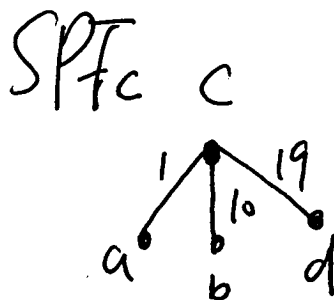
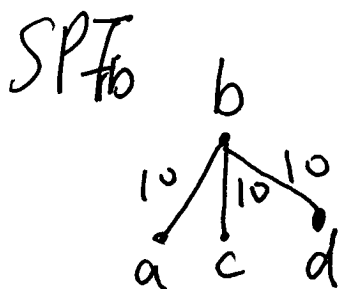
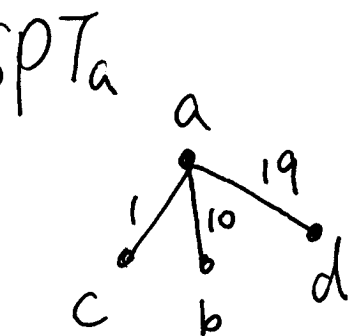


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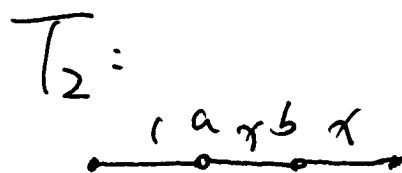
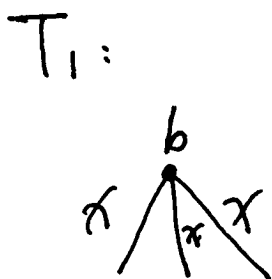
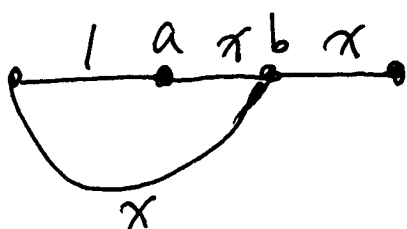


$$C(SPT_a) = \underbrace{2 \times 1 \times 3}_{\text{routing load}} \times (1 + 10 + 19) = 180$$

$$C(SPT_b) = 2 \times 1 \times 3 \times (10 + 10 + 10) = 180$$

$$C(SPT_c) = C(SPT_a); \quad C(SPT_d) = 2 \times 1 \times 3 \times (19 + 10 + 19) = 288$$

$$C\left(\begin{array}{c} \text{---} \text{---} \text{---} \text{---} \\ | \quad | \quad | \\ c \quad a \quad b \quad d \end{array}\right) = 2 \times 1 \times 3 \times (1 + 10) + 2 \times 2 \times 2 \times 10 = 146$$



$$C(T_1) = 2 \times 1 \times 3 \times (x + x + x) = 18x$$

$$C(T_2) = 6 \times (x + 1) + 8x = 14x + 6$$