d(S, T) = min{1+d(A, D), 2+d(B, T), 5+d(C, T)}

d(A, T) = min{4+d(D,T)}= min{4+1}=5

d(B, T) = min{11+d(D, T), 16+d(F, T), d(B, T)}= min{11+1,16+2,13}=12

d(C, T) = min{ 2+d(F, T) } = 2+2 = 4

d(S, T) = min{1+d(A, T), 2+d(B, T), 5+d(C, T)}

= min{1+5, 2+12, 5+4} = 6