d(s,a)+ d(a,d)+ d(d,t) =6 (shortest)

d(s,b)+ d(b,d)+ d(d,t) =14

d(s,b)+ d(b,t) =15

d(s,b)+ d(b,f)+ d(f,t) =20

d(s,c)+ d(c,f)+ d(f,t) =9

d(S, A) = 1

d(S, B) = 2

d(S, C) = 5

d(S,D)=min{d(S,A)+d(A,D), d(S,B)+d(B,D)}

= min{ 1+4, 2+11 } = 5

d(S,F)=min{d(S,B)+d(B,F), d(S,C)+d(C,F)}

= min{ 2+16, 5+2 } = 7

d(S,T) = min{d(S, D)+d(D, T), d(S,B)+d(B,T), d(S, F)+d(F, T)}

= min{ 5+1, 2+13, 7+2 }

= 6

d(1,6)= 18

d(1,1,5) = 12

d(2,5) = 15

d(2,2,3) = 18

d(3,4) = 17

d(7) = 17