

~~$D_x(y)$~~

1) $D_y(x) = 4$, $D_y(z) = 1$, $D_z(y) = 1$, $D_z(x) = 5$

2) ~~D_y~~ Link $(y \rightarrow x) \Rightarrow 4$ 成本 60

$$D_y(x) = \min \{ C(y,x) + D_x(x), C(y,z) + D_z(x) \}$$
$$= \min (60 + 0, 1 + 5) = 6$$

3) y tell neighbors, including z

$$D_z(x) = \min \{ 50 + 0, 1 + 6 \} = 7$$

\Rightarrow

一个 loop

要 44 iterations 才知道

4) if cost ∞ (\rightarrow) 10000, $C(z,x) \Rightarrow PPP$

\Rightarrow

count-to-infinity problem

5) Poisoned Reverse: 如果 loop 包含了 3 or more nodes
仍无解