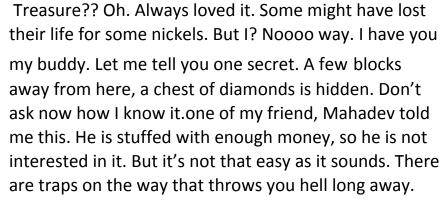
D:hunt







With god's grace, I know some superheroes who can help us to get through the way. But here is the twist each superhero can be used only once for a building. I know the map. As per my capability, I can go through level 1 building which will cost me 1 energy point. But for higher levels I need superhero support.





So here are the details,

Each level 1 building will take my one energy point.

Spidy: can carry you through 2 level building, if level is higher than that you have to use your own energy. When I will be carried by spidy, no energy loss will be there. But if building level is more than 2, then energy loss will be equal to (building level -2).

Ironman: this freaking robot is more interested in damage. He can break any level 2 building. If buildings level is higher than 2, it will be decreased to (building level -2).that is if building level is 4, then after damaged by Ironman, it will be level 1 building.

Thor: here the hammer comes. Sit back and relax until he clears the next 3 buildings for you. No energy loss and you will be pushed to next 3rd building.

Spring trap: You thought its easy na? Here is the unexpected gift. When you encounter trap you will be thrown 3 buildings back. Means if you just crossed 3rd building and got caught in trap, you will be brought to the beginning.

So I will give you the string in which,

• Each numerical will indicate a building level.

And characters will be as follows:

- S: Spiderman
- I: Ironman
- T:Thor
- X:trap
- D:destination
- 0: no superhero, you are on your own
 Remember, you have total of 10 energy points

So based on the string, tell me whether I can reach my destination or not before running out of energy.
Ex:
Input:
S3I3S5XT01010102
Output :(if you can reach)
Hurray!
Input:
S3I3S6XT01010102
Output :(if you can't reach)
Ohhhhh