

# Treasure Hunt

BillyBoy is in dire need of your help to find the fastest route and decrypt the directions to the magnificent treasure. There are different directions for each line on the document he receives. The directions come with a key. A dash represents 5 miles, with up and down arrows made by slashes representing left and right respectively. The numbers after that represent the number of degrees that the turn is made. For example, V45 means that you need to turn right 45 degrees. The output should be how long the shortest route is and the decrypted directions of the shortest route.

## Sample input:

```
-----\ /90-----/ \45-----  
-----/ \45--\ /84--  
---/ \30----\ /45-
```

## Sample Output:

The shortest route to the treasure is 45 miles long.

Directions:

Go straight 15 miles

Turn left 30 degrees

Go straight 20 miles

Turn right 45 degrees

Go straight 10 miles