



CLOUDFLIGHT  
CODING  
CONTEST

#WeLoveSoftware  
u too? [cloudflight.io/career](http://cloudflight.io/career)



# LEVEL 1

CLOUDFLIGHT  
CODING  
CONTEST

#WeLoveSoftware  
u too? [cloudfight.io/career](http://cloudfight.io/career)

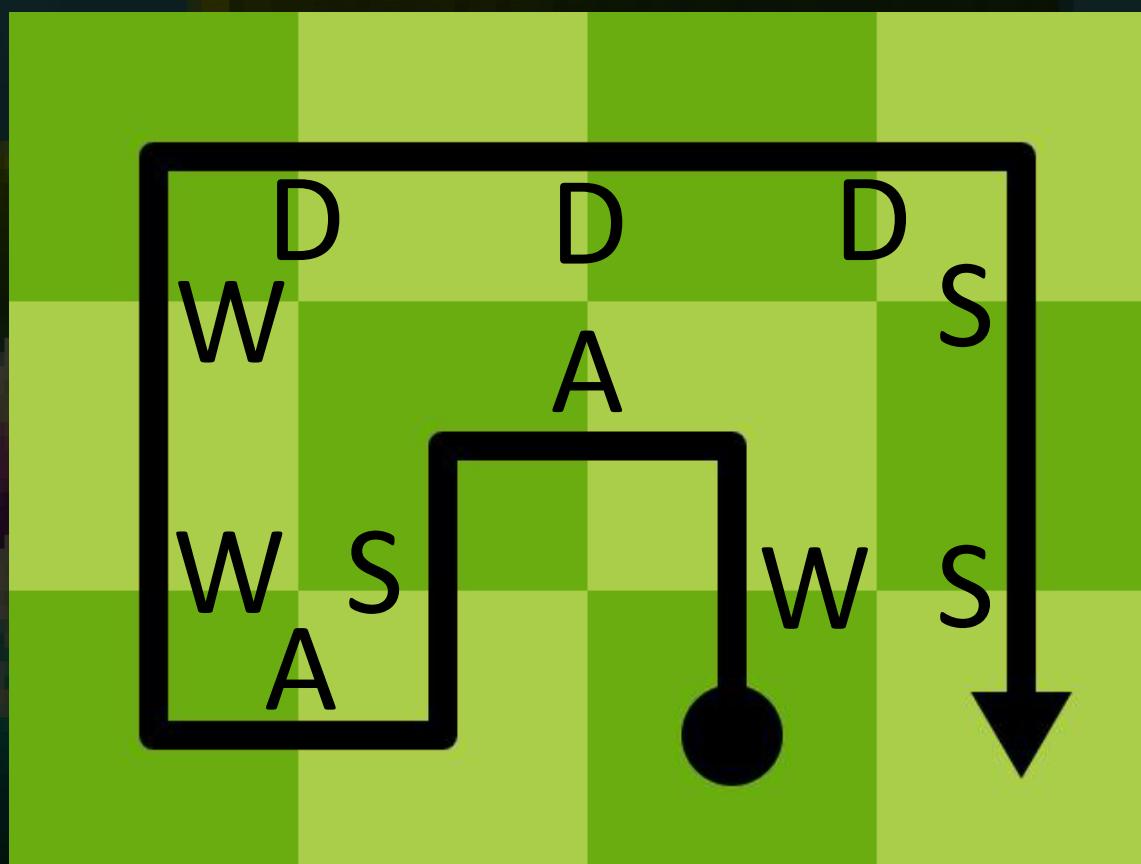
LEVEL 1



You are hired to program an autonomous robotic lawn mower. First, evaluate the output of the existing algorithm.

SETUP...

- You are given a list of paths for a lawn mover.
- A path is represented by a string of characters.
- Each character represents a fixed distance in a cardinal direction.
- **For each path, count how often each direction appears.**



WASAWWWDDSS

North – W  
East – D  
South – S  
West – A

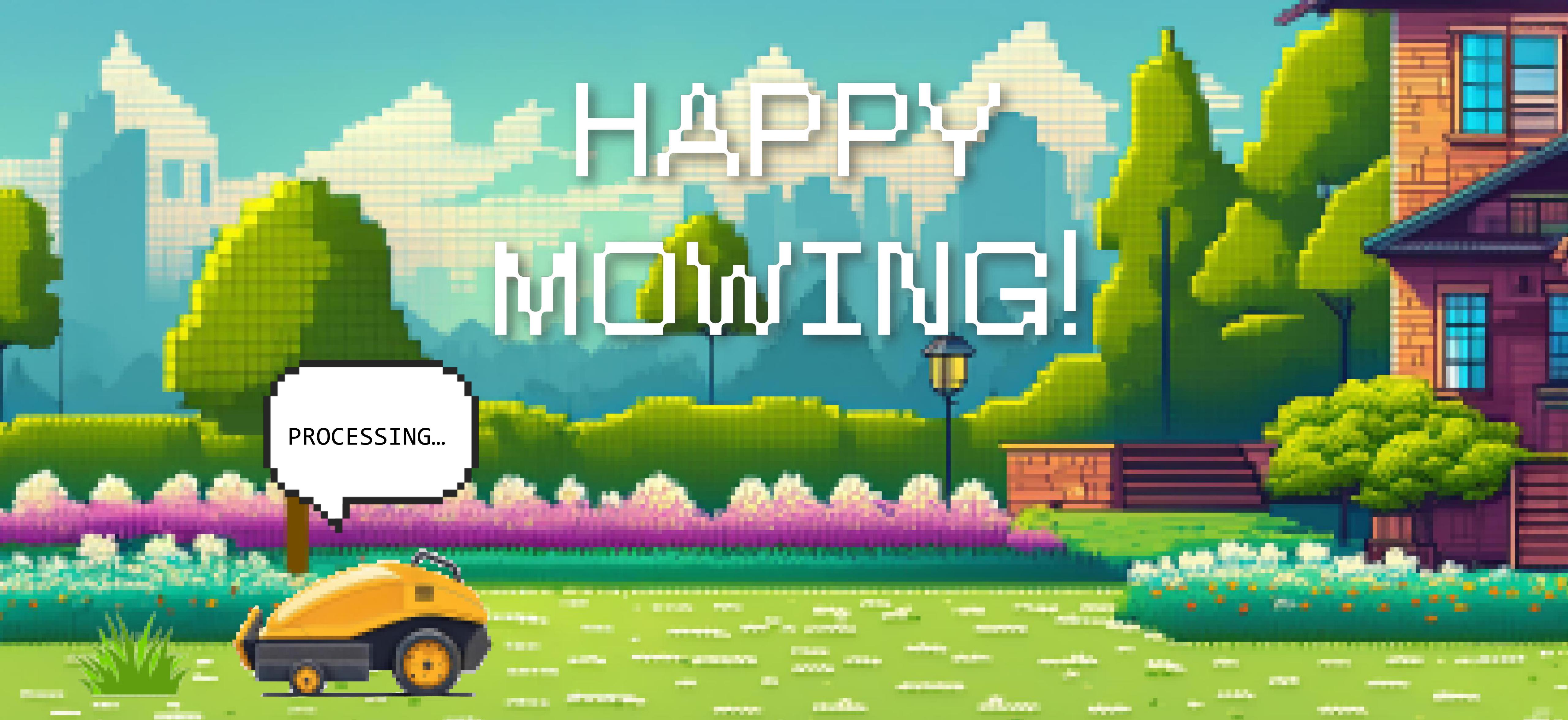


## Input

Name	Description	Example
N	Number of paths	
Path (repeated N times)	A string of characters ‘W’ represents North. ‘D’ represents East. ‘S’ represents South. ‘A’ represents West.	3 WASAWDDDSS DDSAASDDSAA DSASSDWSDSDWWAWDDDSASSDWSDSDWWAWD

## Output

Name	Description	Example
Counts (repeated N times)	4 integers separated by spaces They represent the occurrence of each direction in this order: ‘W’ ‘D’ ‘S’ ‘A’	3 3 3 2 0 4 3 4 8 11 8 4



CLOUDFLIGHT  
CODING  
CONTEST

#WeLoveSoftware  
u too? [cloudflight.io/career](https://cloudflight.io/career)

Lawn Mower