FOSSIL
GROUP

FOSSIL SUMMER CODING

CHALLENGE YOUR LOGIC!

4/05 - 11/05/2020

More information

GAME INSTRUCTIONS
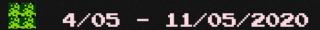

- 🖥️ Tank at START position
- 🟩 Gas station - Gas refilled when reached
- ⭐ Star

1. Collect as many STARS as possible.
2. If 2 teams with the same number of stars, team with the SHORTEST PATH wins.
3. One step consumes one gas unit.
4. Can only move up │ down │ left │ right.

FOSSIL GROUP GAME INSTRUCTIONS

2	0	1	1	1	1	3	1
1	1	1	1	0	0	0	1
1	0	0	3	1	1	1	1
1	1	1	1	1	1	0	1
1	0	0	0	0	1	0	3
1	1	1	1	0	2	0	1

Tank at START position

Gas station – Gas refilled when reached

Star

(!) Collect all STARS

Team with the SHORTEST PATH wins

One step consumes one gas unit

FOSSIL GROUP GAME DESCRIPTION

```
1 1
25
50 50
1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 3 0 0 1 0 0 1 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 0 1 0 0 2 0 0 0 0 0 0 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 3 1
1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 1 0 0 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1
2 1 1 1 1 1 1 1 1 1 1 0 0 0 0 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 3 1 1 1 1 1 2 1 1 1
1 1 1 1 1 1 1 1 1 1 1 0 0 0 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 3 1 0 0 0 0 0 0 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 0 0 0 0 1 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 0 0 0 0 0 1 0 0 0 0 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 0 0 0 1 1 0 0 0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3 1 1 1 0 1 0 1 0 1 1 1 1 1 2 1 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1
1 1 1 1 1 1 0 0 1 1 1 0 1 0 0 1 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 0 1 1 1 0 0 1 0 3 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 0 0 0 0 1 0 1 0 1 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 1 1 1 1 1 1 1 1 0 0 0 1 0 1 1 1 1 1 1 1 0 3 1 1 0
1 1 1 1 1 0 0 0 1 0 1 0 0 1 0 1 1 1 1 1 0 2 1 1 1 1 1 0 0 0 1 1 1 0 1 0 1 1 1 0 1
1 1 1 1 0 0 0 0 1 1 0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 1 0 1 0 1 0 1
1 3 1 1 1 1 1 1 1 1 1 1 1 0 1 0 1 0 1 1 3 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 3 0 0 1 1 1 1
1 1 1 1 1 1 1 1 1 1 0 0 0 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 2 0 0 0 0 0 0 0 0 0 1 1 1 1
1 3 1 1 1 1 1 1 0 0 0 3 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 0 0 0 1 1 1 1 1 1 1
1 1 1 2 1 1 1 1 2 0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 0 1
1 3 1 1 1 1 1 1 0 0 0 1 0 0 0 1 1 1 1 1 3 1 1 1 0 0 1 1 1 1 1 1 0 1 0 1
1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 1 1 1 1 1 0 0 0 1 0 1 1 1 1 1 1 1 1 1 0
1 0 1 1 1 1 1 1 0 0 0 0 0 0 1 0 0 1 1 1 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 0 0
1 0 0 1 1 1 1 0 0 0 1 0 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0
0 1 1 2 1 1 0 0 1 0 0 1 0 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 0
1 1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 3 1 1 0 0 1 1 1 1 1 1 1 0 1
1 1 1 1 1 1 1 0 1 1 3 0 0 0 1 1 1 1 0 0 1 0 1 1 1 1 3 1 0 1 1 1
1 0 0 0 0 0 0 1 1 1 3 0 0 0 0 0 0 0 0 0 1 0 1 1 1 1 1 1 1 1 0
1 0 0 1 0 0 0 0 1 1 1 0 0 0 1 0 0 0 0 0 0 1 0 1 1 1 1 1 1 0 0
1 0 1 0 0 0 0 0 0 1 0 0 0 0 0 1 0 2 1 1 1 1 1 1 1 1 1 1 2 0 0
3 1 1 1 1 1 1 0 0 0 1 0 1 1 0 0 0 0 0 0 1 0 1 1 1 1 1 3 1 1 0
1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 1 1 1 0 0 3 0 0 0 3 0 0 0 0 1 0 0 1 1 1
```

Input

1 1: START position (column, row are 1-based indexing)

25: maximum gas units of the car

50 50: size of the map nxm. Maximum map size is 1000x1000.

4th line to the end: map description

Sample map: **Sample map 50x50**

Website for testing map & path input:

Fossil Summer Coding

1. Demo input files attached in the email

2. Select map file, then select path file

Load map, then load path

FINAL RESULT SUBMISSION

⚠ 1. The submitted files should be named by the following format:

TeamName_path.txt and TeamName_source.cpp (or any other programming languages)

Note: Source code must be submitted with the result. Fossil will verify the winners based

on the source code.

2. Leaders submit the file to email :

people@fossil.com with subject line: Fossil Summer Coding - Personal Name (or Team Name)

3. Submission Deadline: 10:00 AM, Monday, May 11 2020

♥ MAY THE FORCE BE WITH YOU!