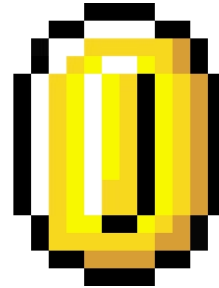


Flappy's Coin Quest

Flappy Bird needs your help!



We need to go on a quest to collect coins for our Flappy Bird Friend!



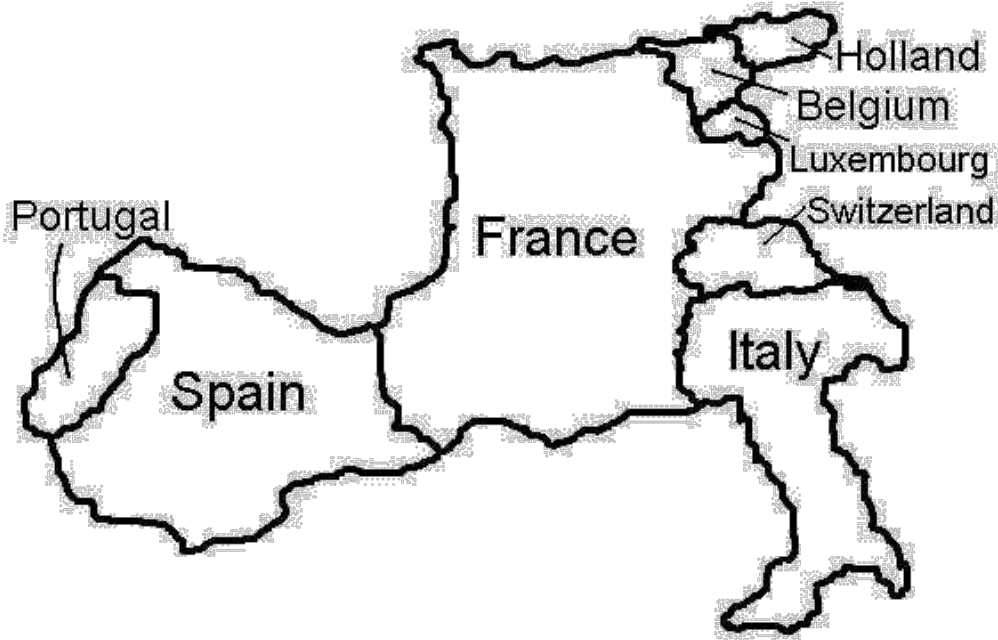
We need coins!

We have 3 activities to do to collect these coins!

- Map Colouring
- Human Pictionary
- Town Explorer

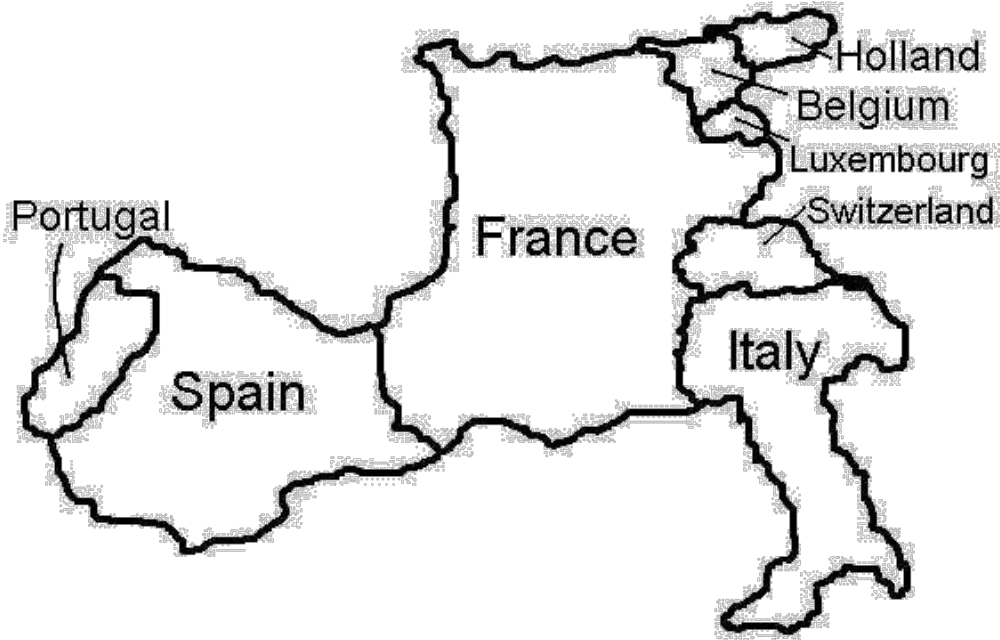
Map Colouring

We have a map like this:

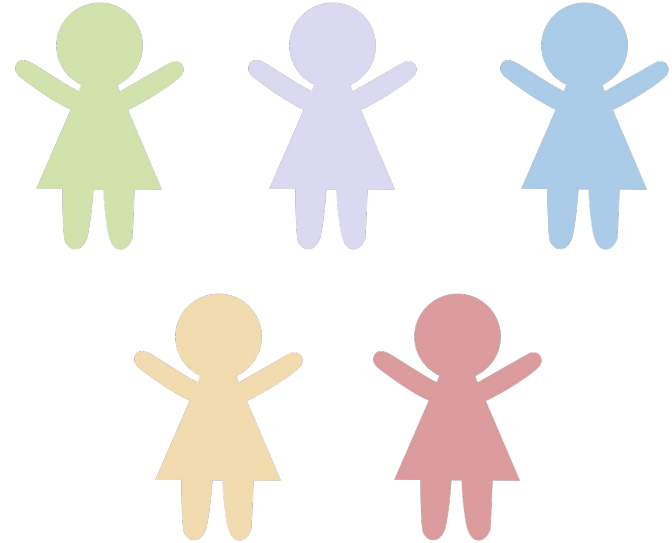


Map Colouring

We have a map like this:

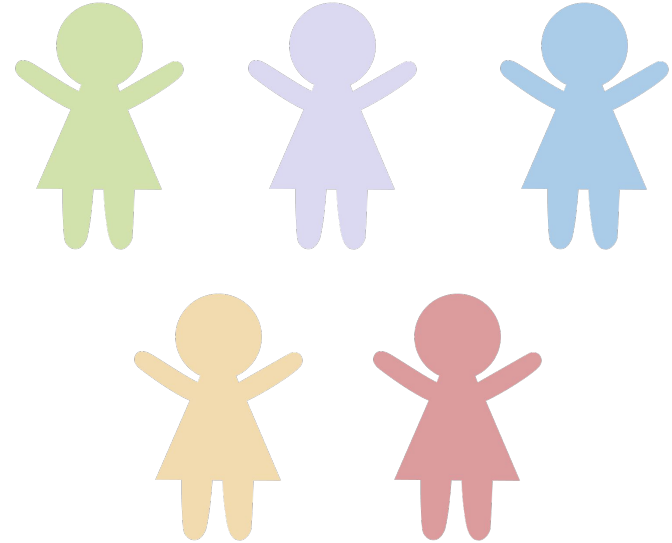
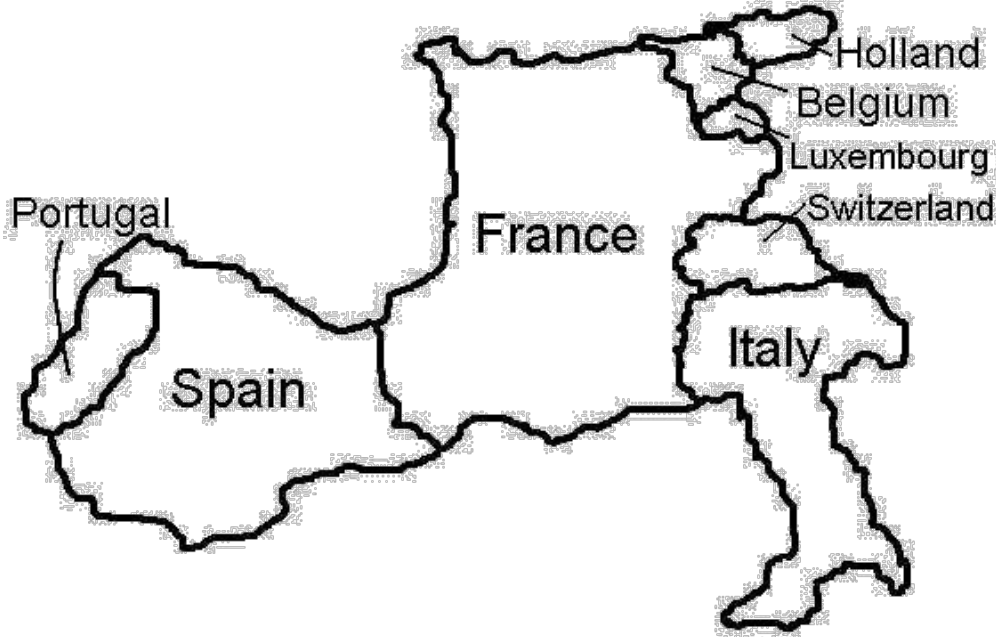


And a group of teams:



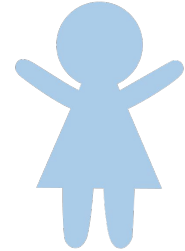
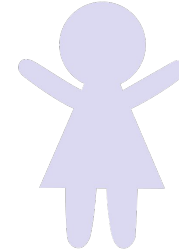
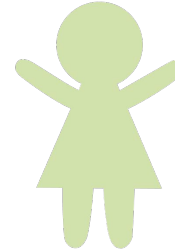
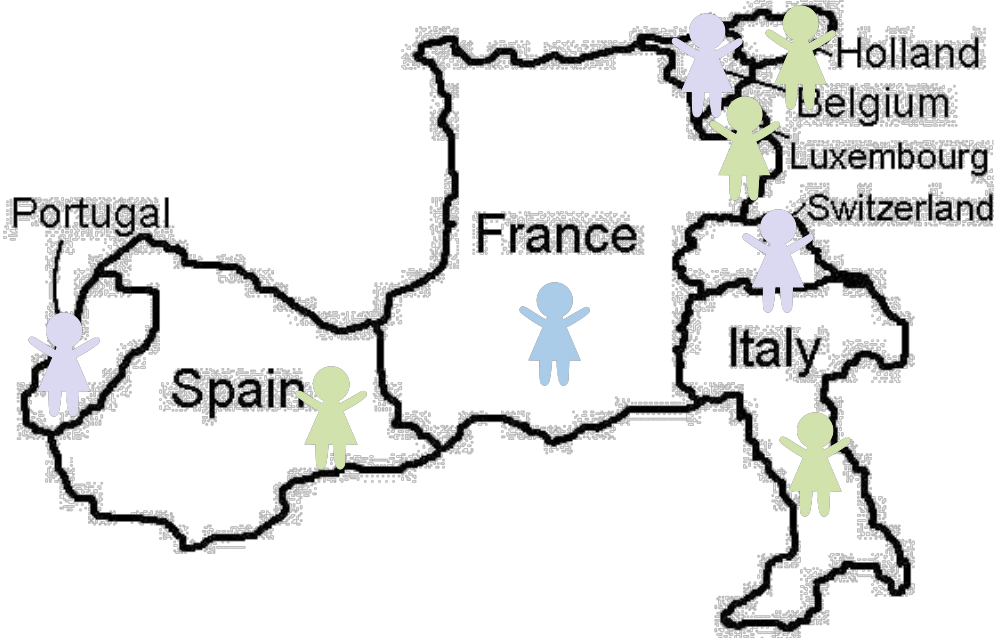
Map Colouring

We want to split the teams up so that no two teammates are next to each other! We also want to use as few teams as possible!

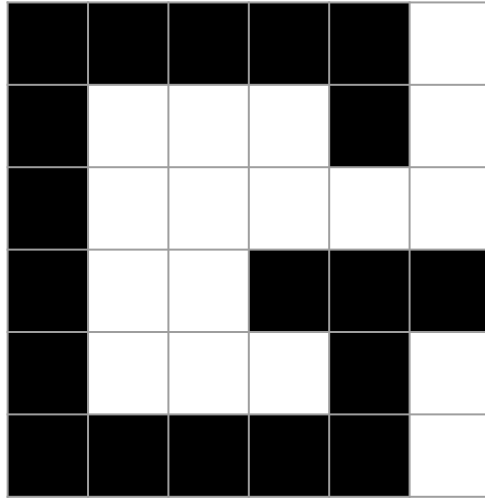


Map Colouring

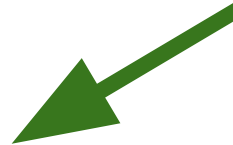
We want to split the teams up so that no two teammates are next to each other! We also want to use as few teams as possible!



Human Pictionary



1	1	1	1	1	0
1	0	0	0	1	0
1	0	0	0	0	0
1	0	0	1	1	1
1	0	0	0	1	0
1	1	1	1	1	0



11111010001010000100111100010111110

Human Pictionary

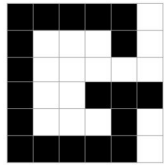
Split your team in half.

Send each other messages!!

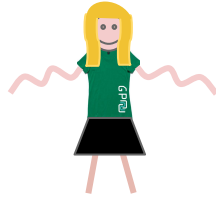
TEAM 1

1. Create drawings
2. Turn them into 1's and 0's.

Draw the letter G



11111010001010000
1001110001011110

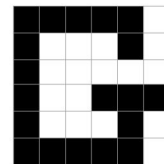


Transfer to your
teammates using the
magic of ~~internet~~ tutors!

TEAM 2

1. Transform them back to pictures
2. Guess what they are!

It's the letter
G!!!



```
11111010001010000
10011100010111110
```

Human Pictionary

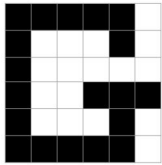
Split your team in half.

Send each other messages!!

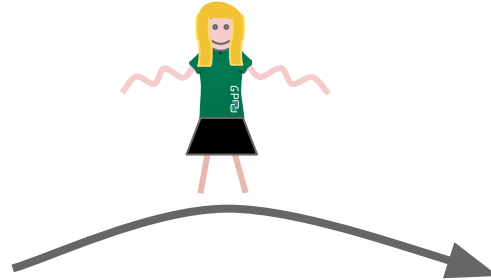
TEAM 1

1. Create drawings
2. Turn them into 1's and 0's.

Draw the
letter G



```
1111010001010000  
1001110001011110
```



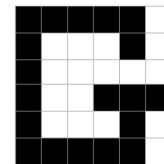
Transfer to your
teammates using the
magic of ~~internet~~ tutors!

TEAM 2

1. Transform them
back to pictures
2. Guess what they
are!

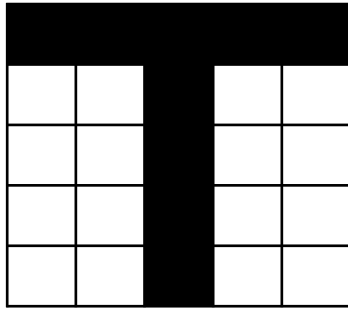
```
1111010001010000  
1001110001011110
```

It's the letter
G!!!

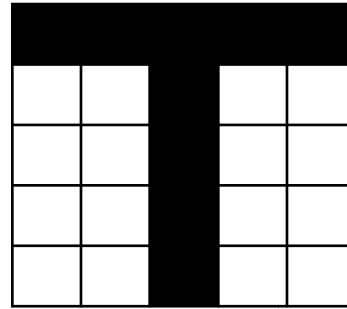


Human Pictionary

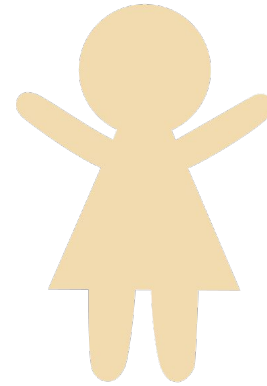
Let's use a 5 by 5 grid
I'm going to draw the
letter T and turn it into
1's and 0's



Look some 1's and
0's let's turn these
back into a picture
to guess what it is.



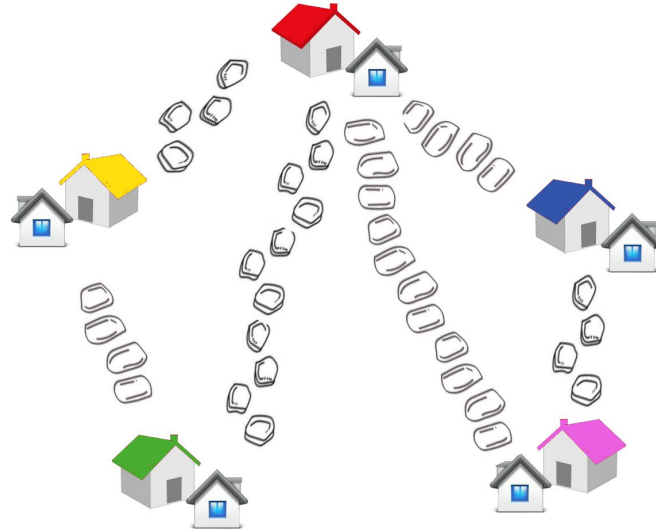
Oh I see
it's the
letter T!



111100100001000010000100

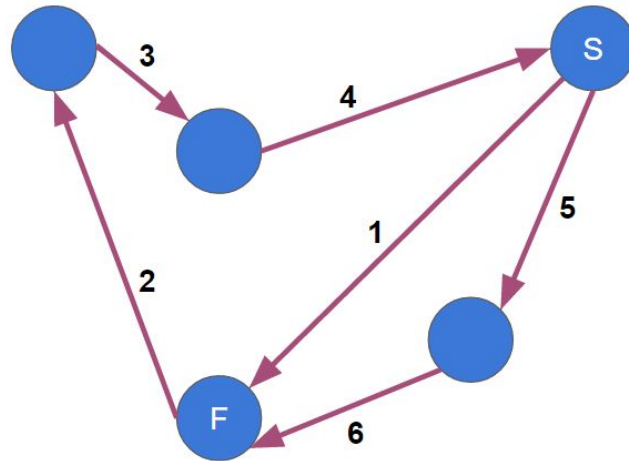
Town Explorer

You are an explorer going from town to town! You want to visit every town or walk down every road!



Town Explorer Puzzle 1

A Eulerian Path

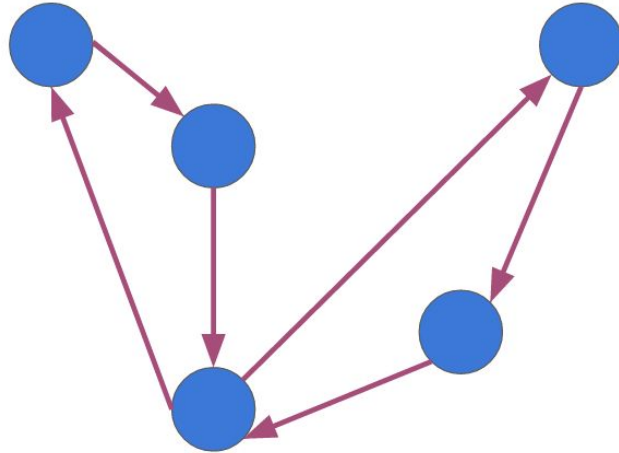


A Eulerian visits each **line** exactly once.

Each line visited!

Town Explorer Puzzle 2

A Eulerian Circuit



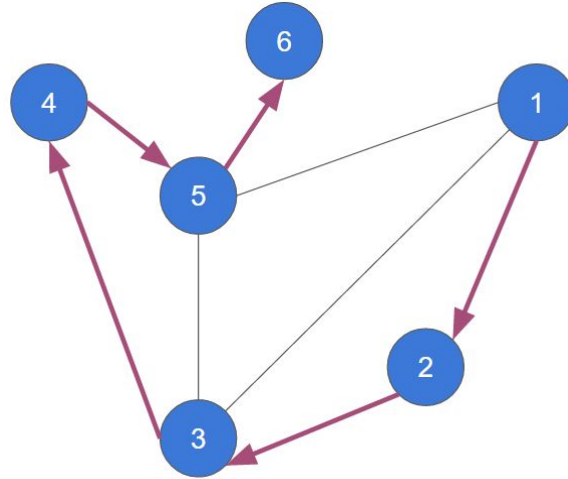
A Eulerian visits each **line** exactly once.

And Returns to the circle it started at.

Each line visited!
And Back to the start!

Town Explorer Puzzle 3

A Hamiltonian Path

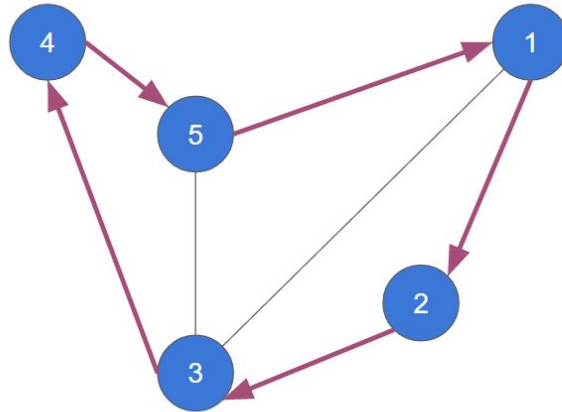


A hamiltonian circuit visits each circle exactly once.

All circles visited!

Town Explorer Puzzle 4

A Hamiltonian circuit

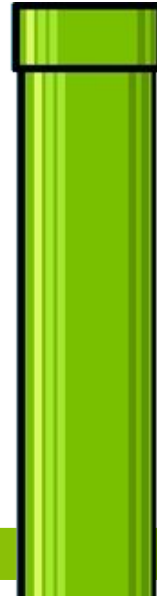
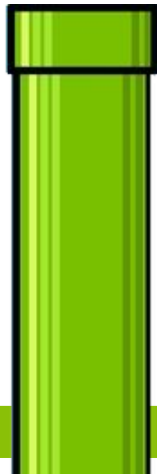


A hamiltonian circuit visits each circle exactly once and then goes back to where it starts!

**All circles visited!
And returned to start!**

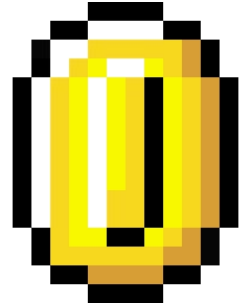
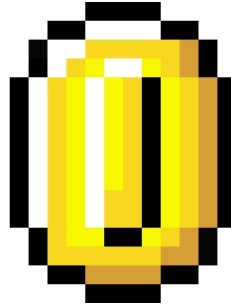
Watch out for Pipes!

After each activity you get the chance to uncover a coin! But you might pick up a pipe instead and need to do the activity again!



Quest Complete!

Once you have all 3 coins, come and hand them in to Flappy Bird for a prize!



There is an extra secret prize for the group that collects the most pipes!