

Finding Pathways

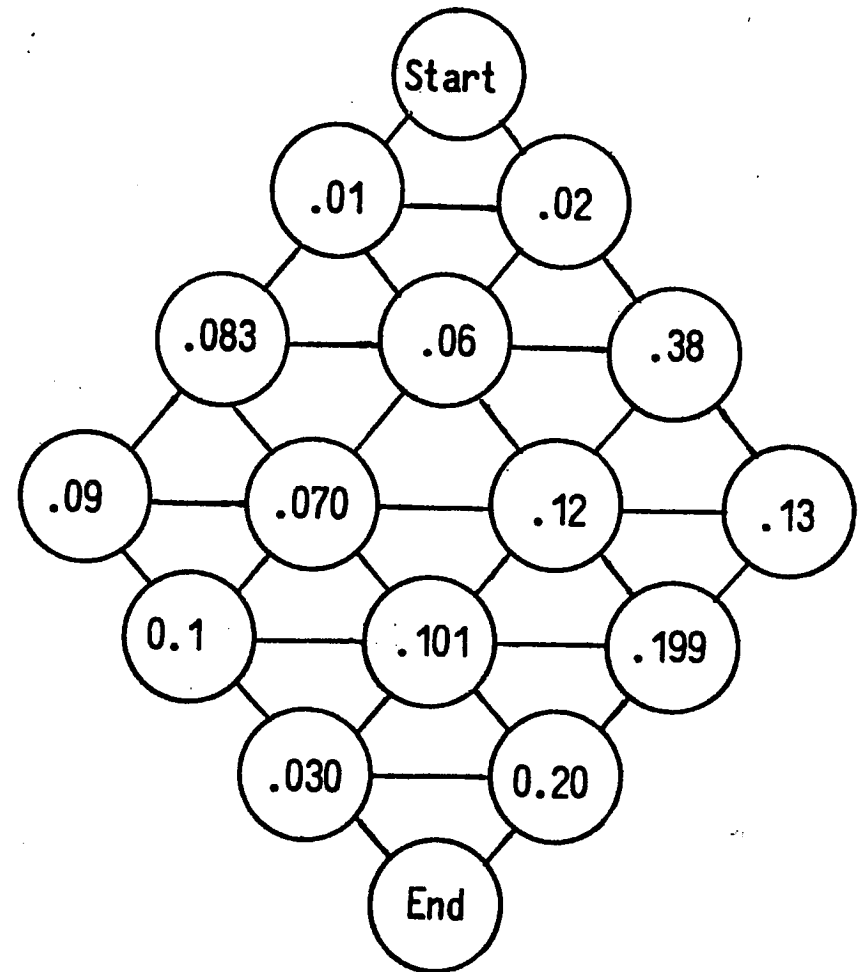
The maze has circles that are filled in with decimals and the words "Start" and "End."

To move from one circle to the next, follow along the lines that connect the circles.

You must *always* move to a LARGER number.

Begin at the top of the maze in the **Start** circle and continue until you reach the **End** circle.

1. Find a path through the maze. Record the decimals from lowest to highest.
2. Talk to a partner. Take turns **explaining** how each of you know your path has decimals from lowest to highest.
3. Can you and your partner find another path? Record the path you find.



Which decimals will never be used on a path through the maze? How do you know?

What is the longest path through the maze? How do you know it cannot be longer?
Is there more than one long path? If so, how many long paths are there?

Find the shortest path through the maze. How do you know it is the shortest path possible?
Is there more than one short path? If so, how many short paths are there?