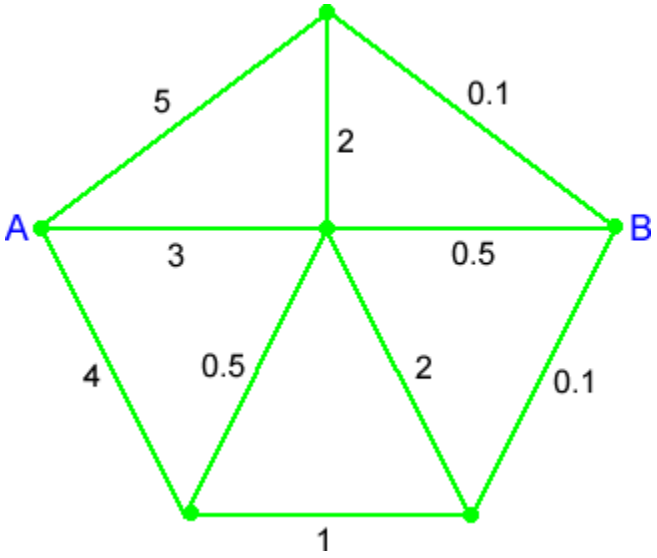
Route Product (nRich challenge)

There are lots of different routes from A to B in this diagram:



The idea is to work out the product of the numbers on these different routes from A to B. You are not allowed to visit a point more than once.

For example, we could have 3×0.5 but we couldn't have $3\times2\times5\times4\times1\times0.1$ because that route passes through A twice.

1. Which route or routes give the largest product?
2. Which route or routes give the smallest product?
3. Do you have any quick ways of working out the products each time?