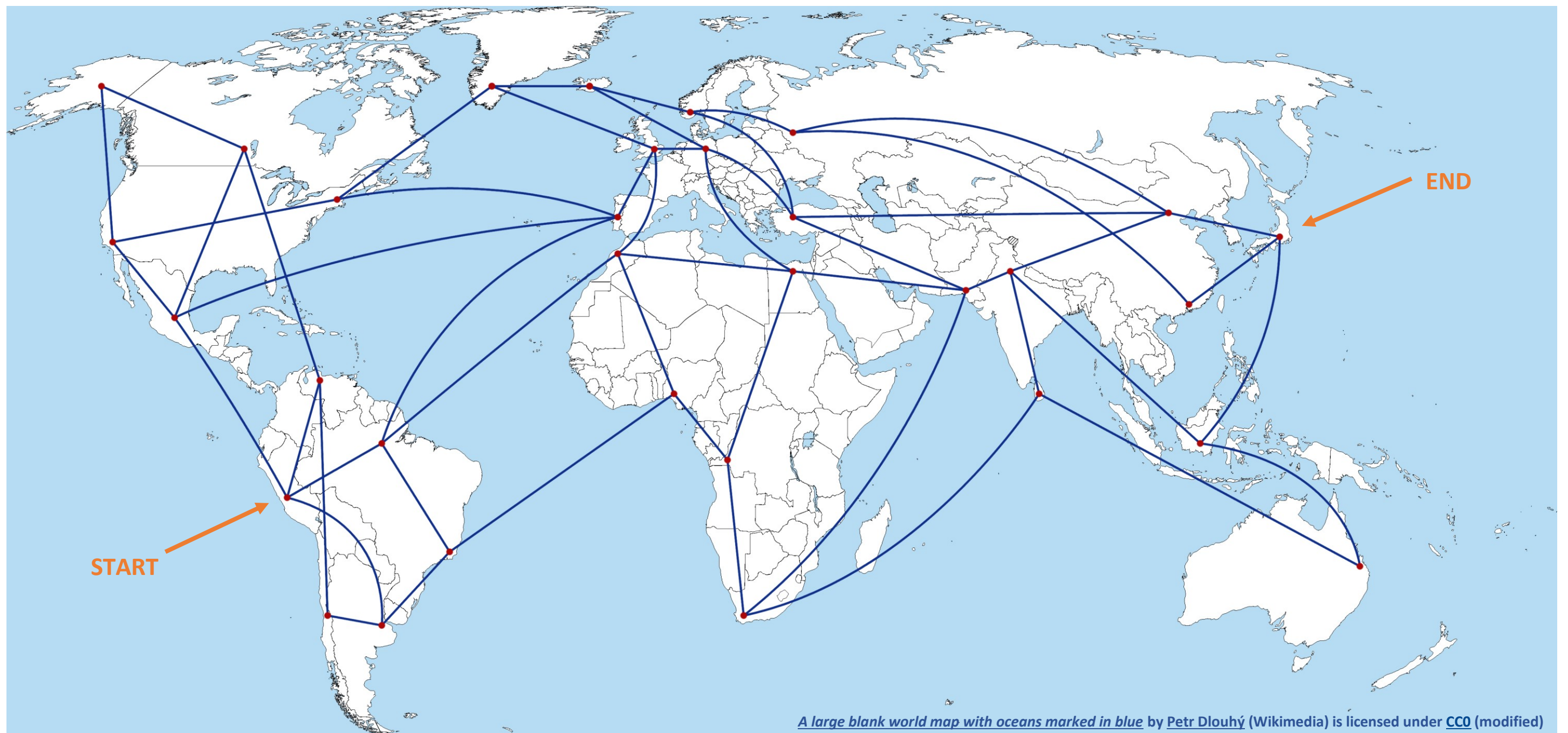


# Stop the virus spreading

Shannon Switching Game

A deadly virus is spreading round the world by infecting people at airports. One player is the virus and the other is humans trying to stop its path. The player who is the virus starts in Peru and tries to make it all the way to Japan by taking popular air travel routes (colouring in the lines). The player who is the humans should try to shut down routes one at a time by cancelling the flights (crossing out the lines).



Try playing a few times, then turn over – you'll see the graph isn't as complicated as it looks.

In fact the graph behind this game is just a grid pattern – see if you can confirm this for yourself.

Does this help come up with a strategy for either player?

