LEVEL 1

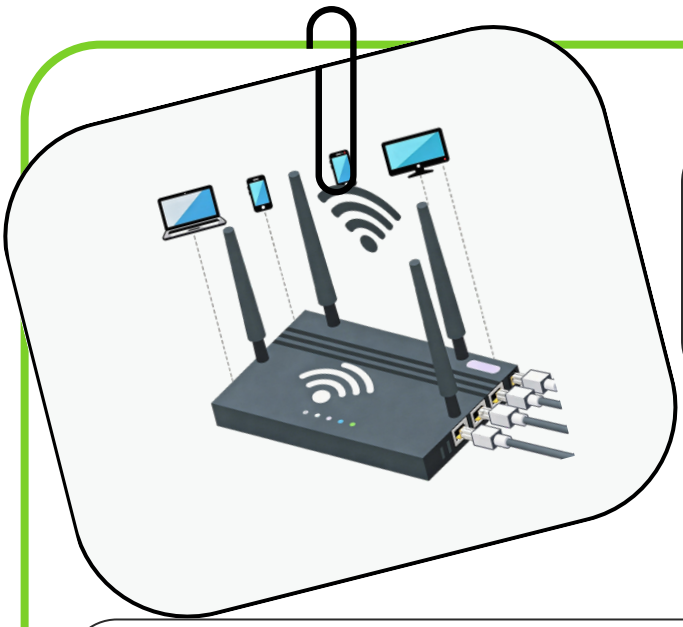
ACTIVITY 2

Chasing the rogue router



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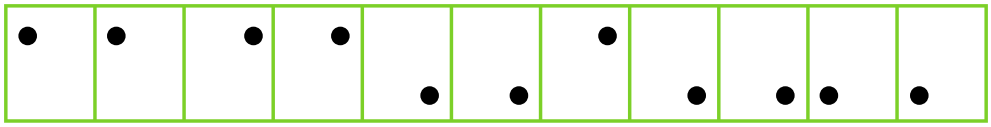
Mission sheet :

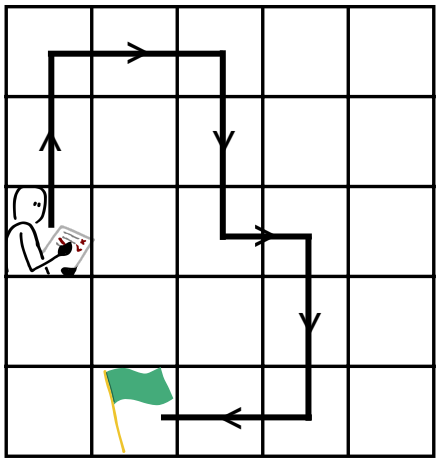
Chasing the rogue router

STEP 1 : WHERE DOES THIS SIGNAL COME FROM?

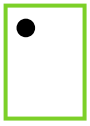
In order to find the hacking computer, the students must locate the source of the signal. When they analyze it, a strange code made of dots appears on the screen. Help them understand the meaning of these symbols !

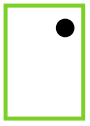
After a few attempts, the students understand that the following sequence of symbols is associated with the following movement :

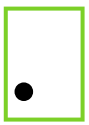


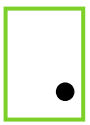


What movement is associated with each symbol? Write it with an arrow indicating the direction : ↑, ↓, →, ou ←.

 _____

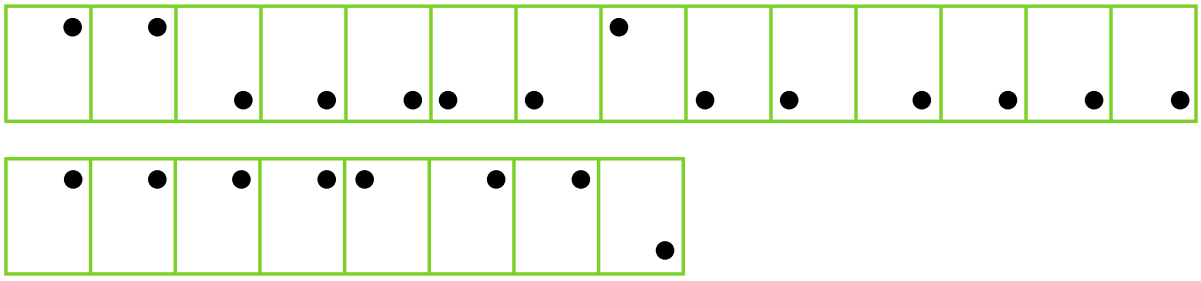
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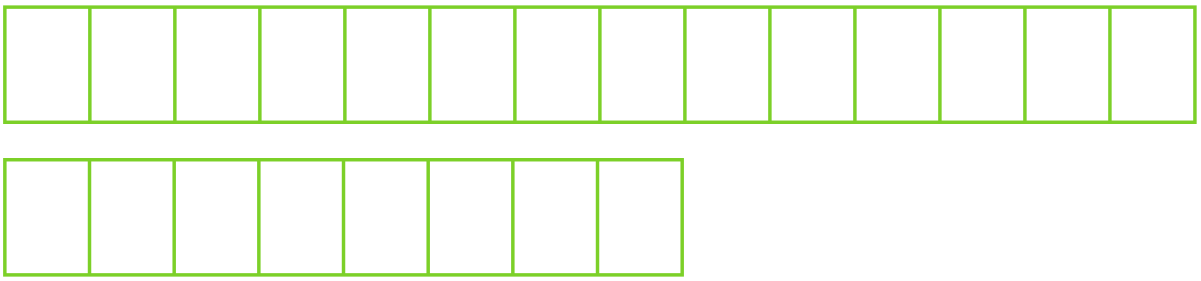
 _____

STEP 2 : FIND THE PIRATE ROUTER

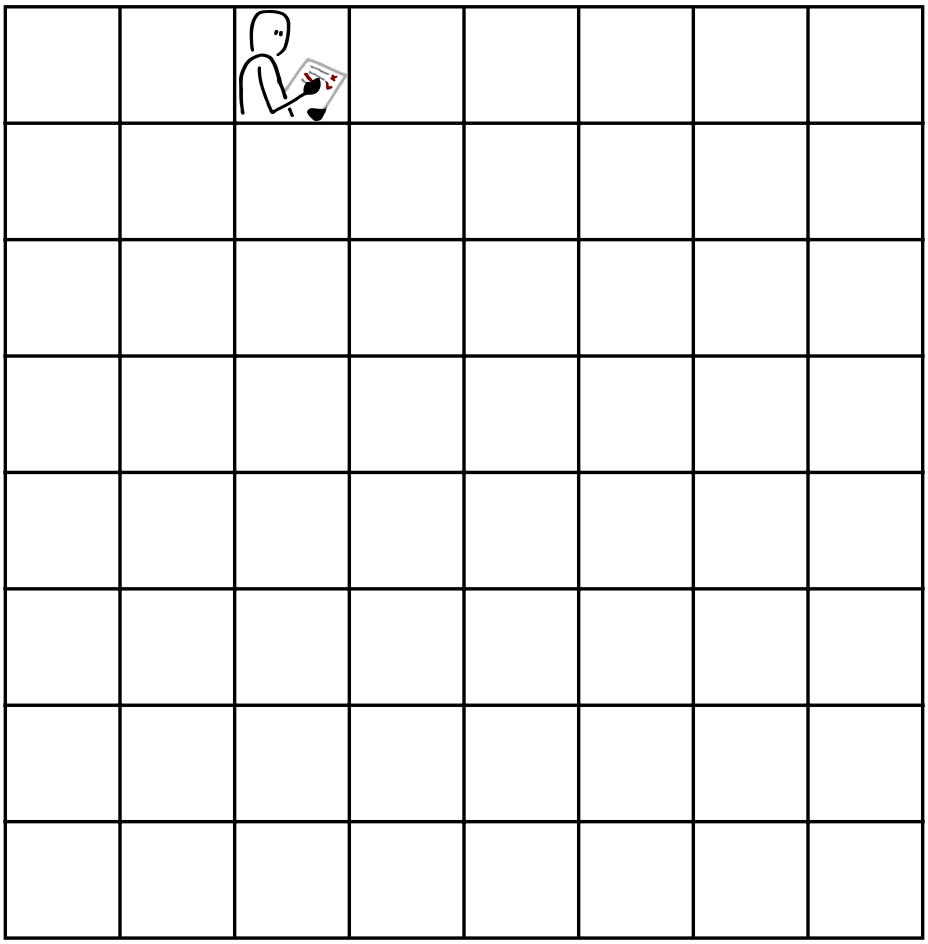
Here is the signal found by the students. Find the path that leads to the pirate router !



Start by rewriting the signal, replacing each element with its associated direction arrow :

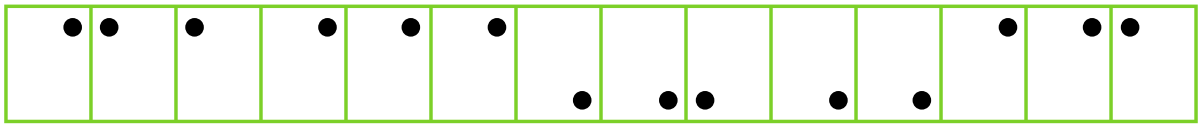


And now, draw the path followed by the signal !



STEP 3 : UPSIDE DOWN

Let's see if you can track down the most skilled hackers. The following signal was emitted by a router whose location is known. Draw the path the signal took and find where it was received !



Rewrite the signal by replacing each element with its associated direction arrow :



And now, trace the signal back to find where the sensor is located !

