

## Challenge Coding Cycle 2

### Home alone

You've probably seen the movie *Home Alone*.

Kevin's family has gone on holiday without him and he has been left home alone by accident. At first, he kind of likes it but then he discovers that there are two robbers outside the house. Harry and Marv are lying in wait and they've planned to break into his house. But Kevin is a clever boy and wants to protect himself and his family's house. So, he sets up a whole series of booby traps throughout the house.


For example, he scatters drawing pins on the carpet, greases the stair-railing and pours soap over the stairs. Just don't let Harry and Marv get him!

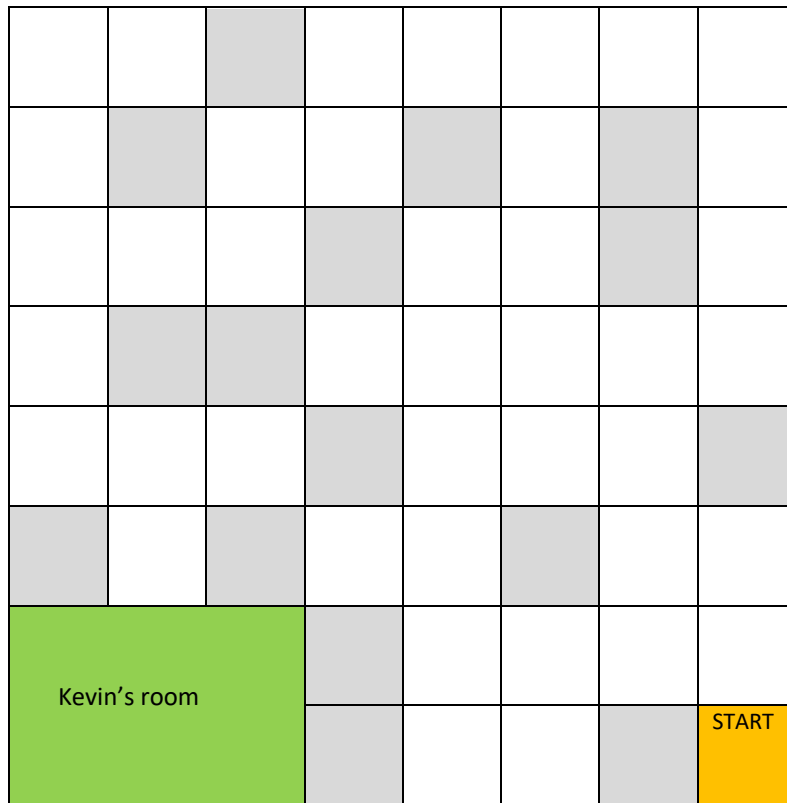
Kevin has just finished preparing everything, when Harry and Marv manage to break open the cellar door and enter the house.

Now you must act quickly because Kevin must hide. Help Kevin take the shortest route to his room, where he will be safe. Of course, he must not set-off his own traps!

Below, you'll find the plan of the house, but you can also draw a larger version of it on a poster.

### Your mission:

1. On the plan you can move Kevin using the arrows  until he reaches his room.
2. On the grey fields Kevin has set up booby traps. Draw your own traps onto the different fields. Be as creative as Kevin and think up nasty traps - only then will he stand a chance against Marv and Harry.



When your plan is ready, send us a photo of your plan with all the traps to [educoding@men.lu](mailto:educoding@men.lu).