

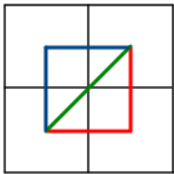
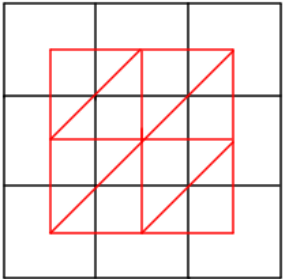
Exercise 3

30 min, 3p

For this exercise you will have to write C code in CodeBlocks. Instead of uploading a photo, upload the “main.c” file.

Given a N by M matrix, count how many possible paths are there from the bottom left corner, $(0, 0)$ to $(N - 1, M - 1)$ with the constraint that you can only go north, east and northeast.

Example:

Nr. Crt.	Input	Output	Image
1	$N = 1$ $M = 1$	1	-
2	$N = 2$ $M = 2$	3	
3	$N = 2$ $M = 3$	5	

A solution which does not compile is worth 0p.

A solution using Divide et Impera is worth 1.5p.