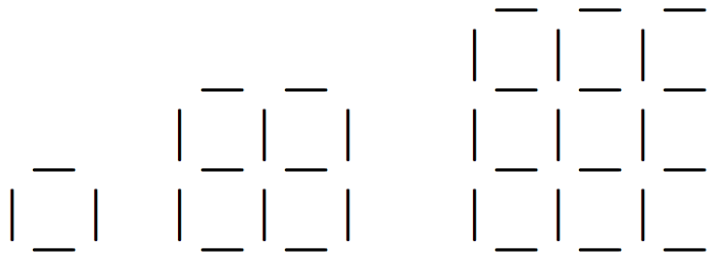# DISCUSSION FOR 2ND TUTORIAL

DATE: MONDAY OCT 4 (LBT01), FRIDAY OCT 8 (LCT01), MONDAY OCT 18 (LBT02 & LBT03) , FRIDAY OCT 22 (LCT02)

Say that you are using matchsticks to make squares such that the matches can lie next to each other but may not overlap. How many matches are required to make $N \times N$ unit squares in a square array as in the following sequence?

How does this generalize to an $N \times M$ rectangle?