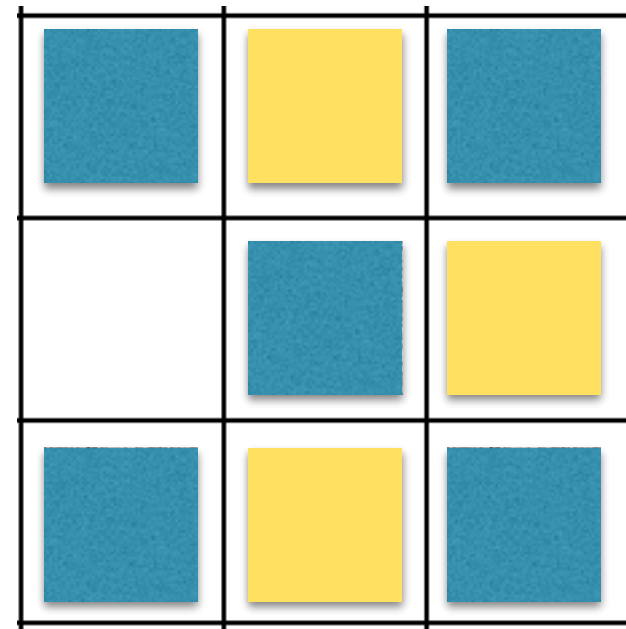
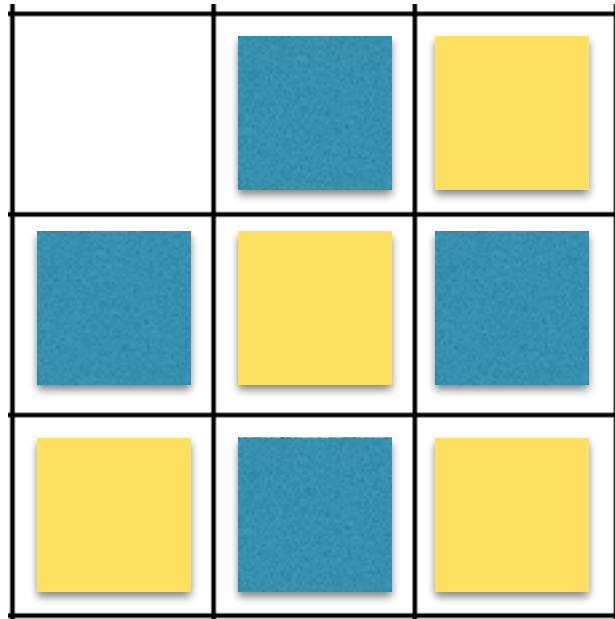
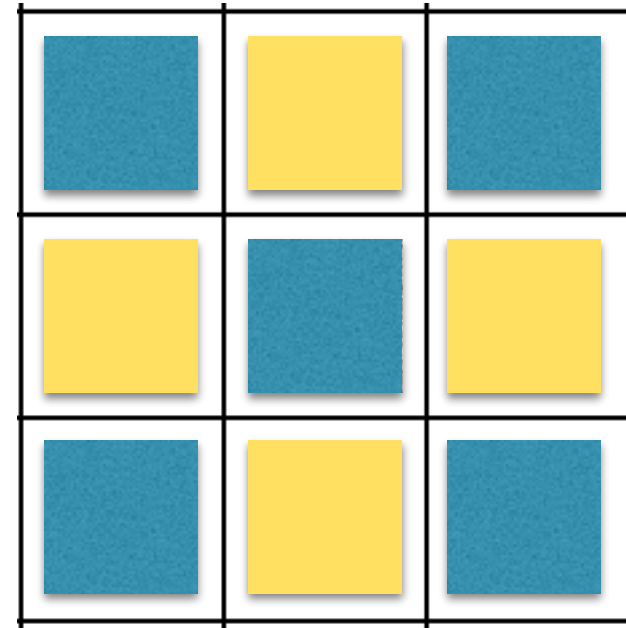
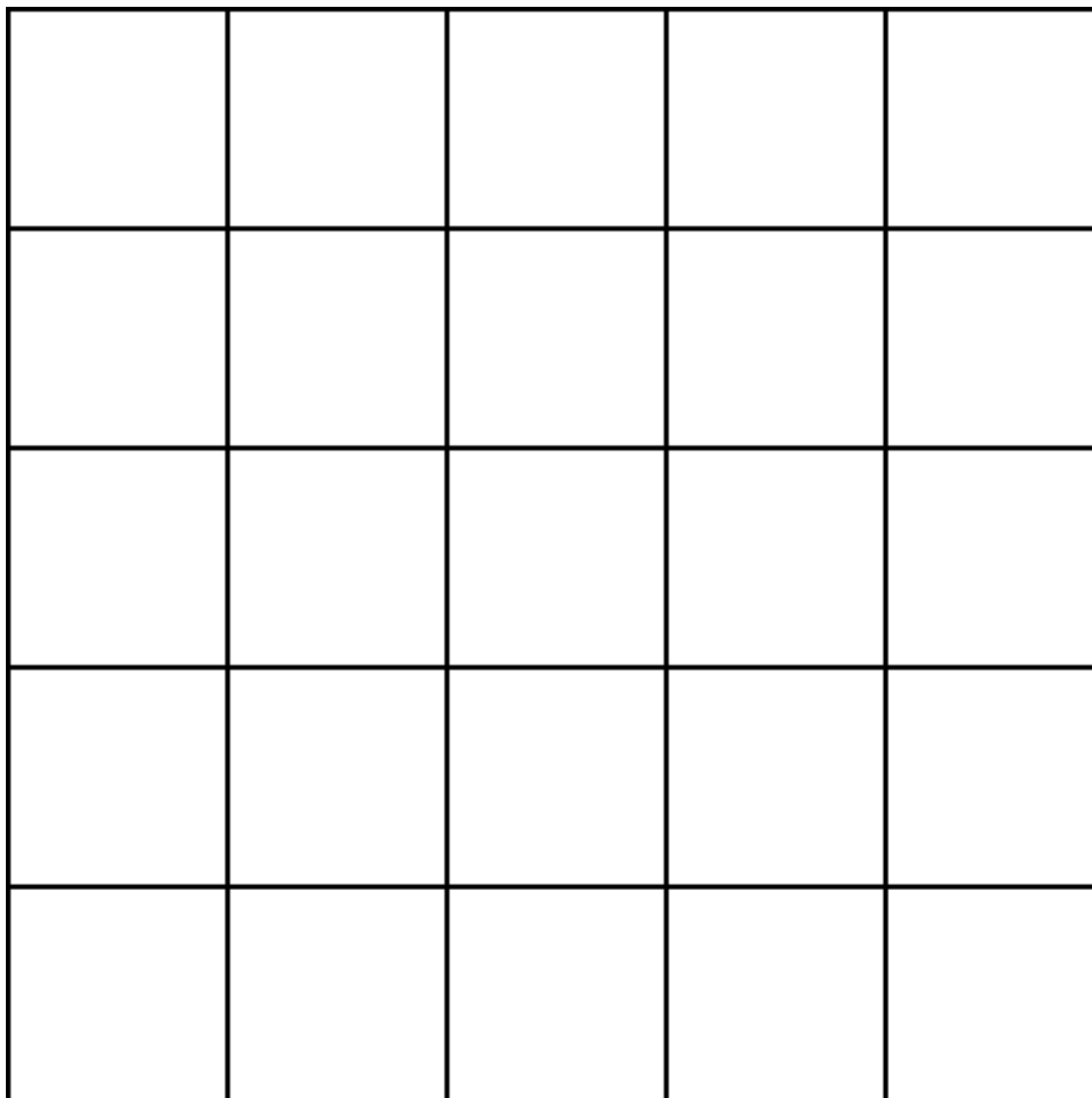


## Domino Tilings

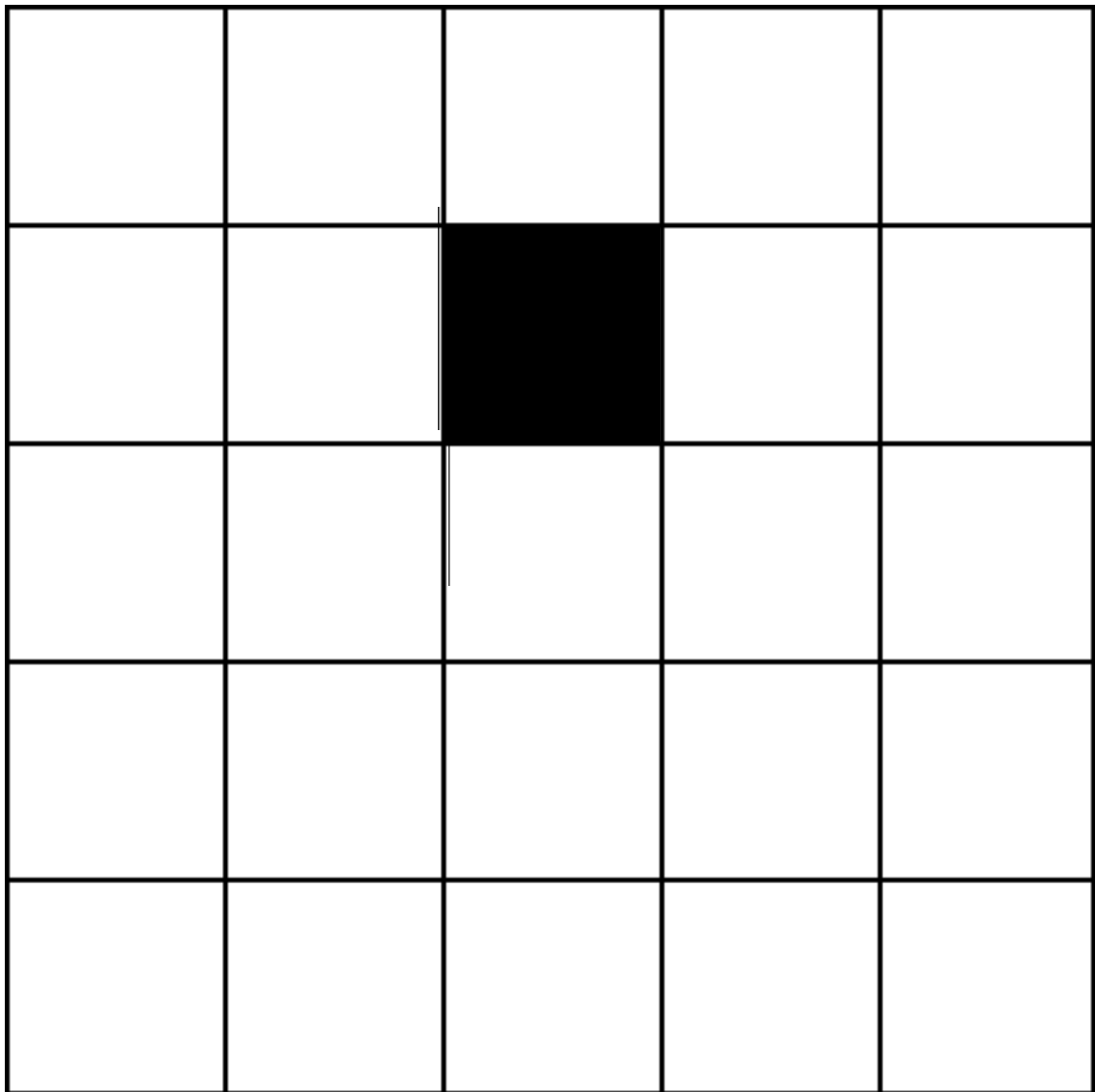
For each board, can you cover all the coloured squares with  $2 \times 1$  dominoes? No overlapping, and each domino must cover 2 coloured squares? Explain your answer!



Can you tile the square with  $2 \times 1$  dominoes?  
If yes, draw in the dominoes. If not, explain why a  
tiling is impossible.



Can you tile the square with  $2 \times 1$  dominoes without covering the hole (small black square)?  
If yes, draw in the dominoes. If not, explain why a tiling is impossible.



Can you tile the square with  $2 \times 1$  dominoes without covering the hole (small black square)?

If yes, draw in the dominoes. If not, explain why a tiling is impossible.

