

The  $A367523(3) = 70$  ways of tiling the  $3 \times 3$  grid by tiles in  $\left\{ \begin{array}{c} \blacksquare \\ \bullet \end{array} \right\}, \left\{ \begin{array}{c} \blacksquare \\ \bullet \end{array} \right\}$  up to the symmetries of the square:





