

The A367525(2) = 538 ways of tiling the 2×2 grid by tiles in

$$\left\{ \begin{array}{c} \text{[square with black triangle in bottom-left]} \\ \text{[square with black triangle in top-left]} \\ \text{[square with black triangle in top-right]} \\ \text{[square with black triangle in bottom-right]} \\ \text{[square with diagonal line from top-left to bottom-right]} \\ \text{[square with diagonal line from top-right to bottom-left]} \end{array} \right\}$$

up to the symmetries of the square:









