

The  $A368257(2, 2) = 44$  ways of tiling the  $2 \times 2$  cylinder by tiles in  $\left\{ \begin{array}{c} \blacksquare \\ \blacktriangle \end{array} \right\}, \left\{ \begin{array}{c} \blacktriangle \\ \blacksquare \end{array} \right\}, \left\{ \begin{array}{c} \blacksquare \\ \blacktriangle \end{array} \right\}, \left\{ \begin{array}{c} \blacktriangle \\ \blacksquare \end{array} \right\} \right\}$  up to horizontal and vertical reflections (together with cyclic shifting of columns):

