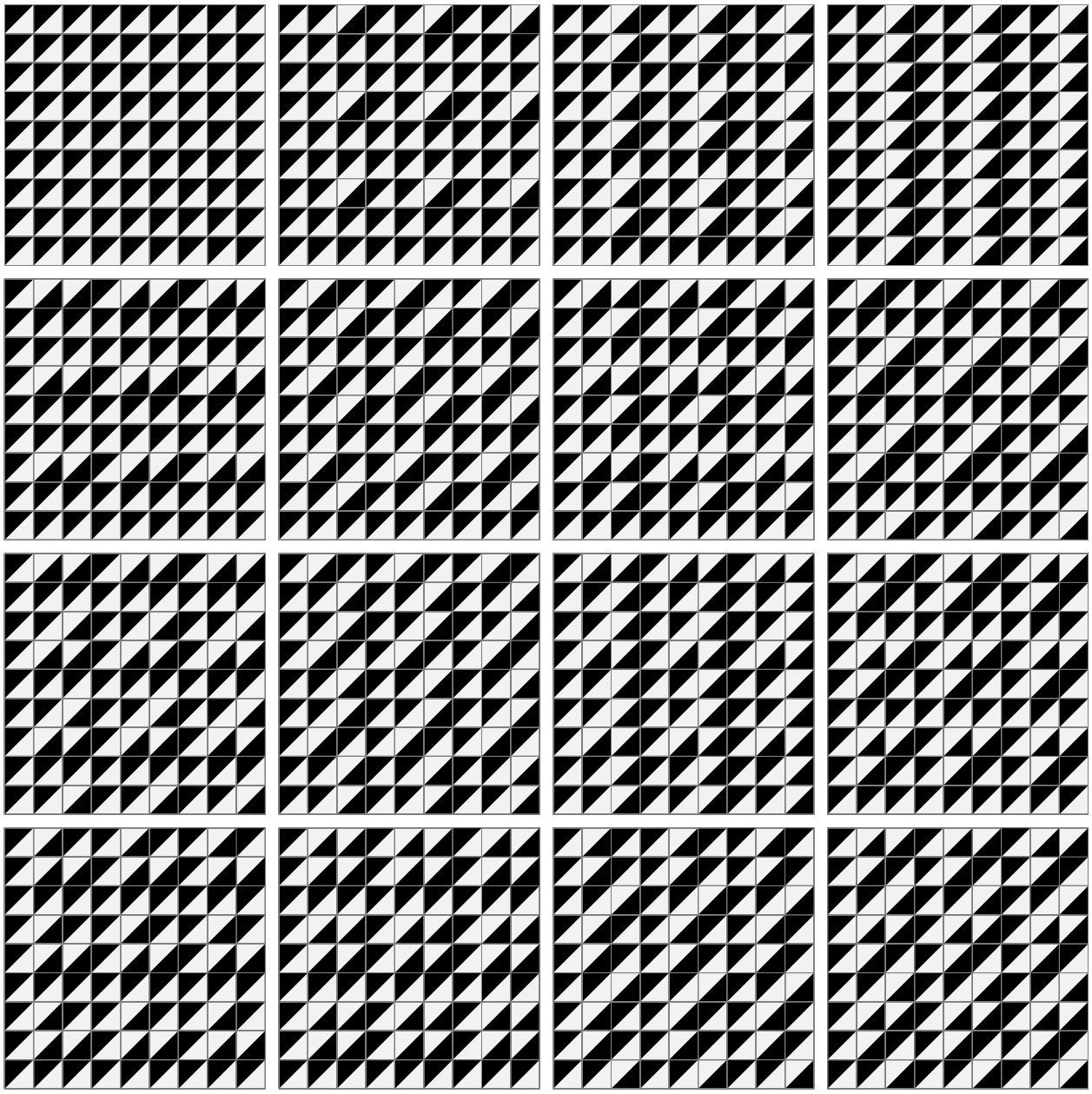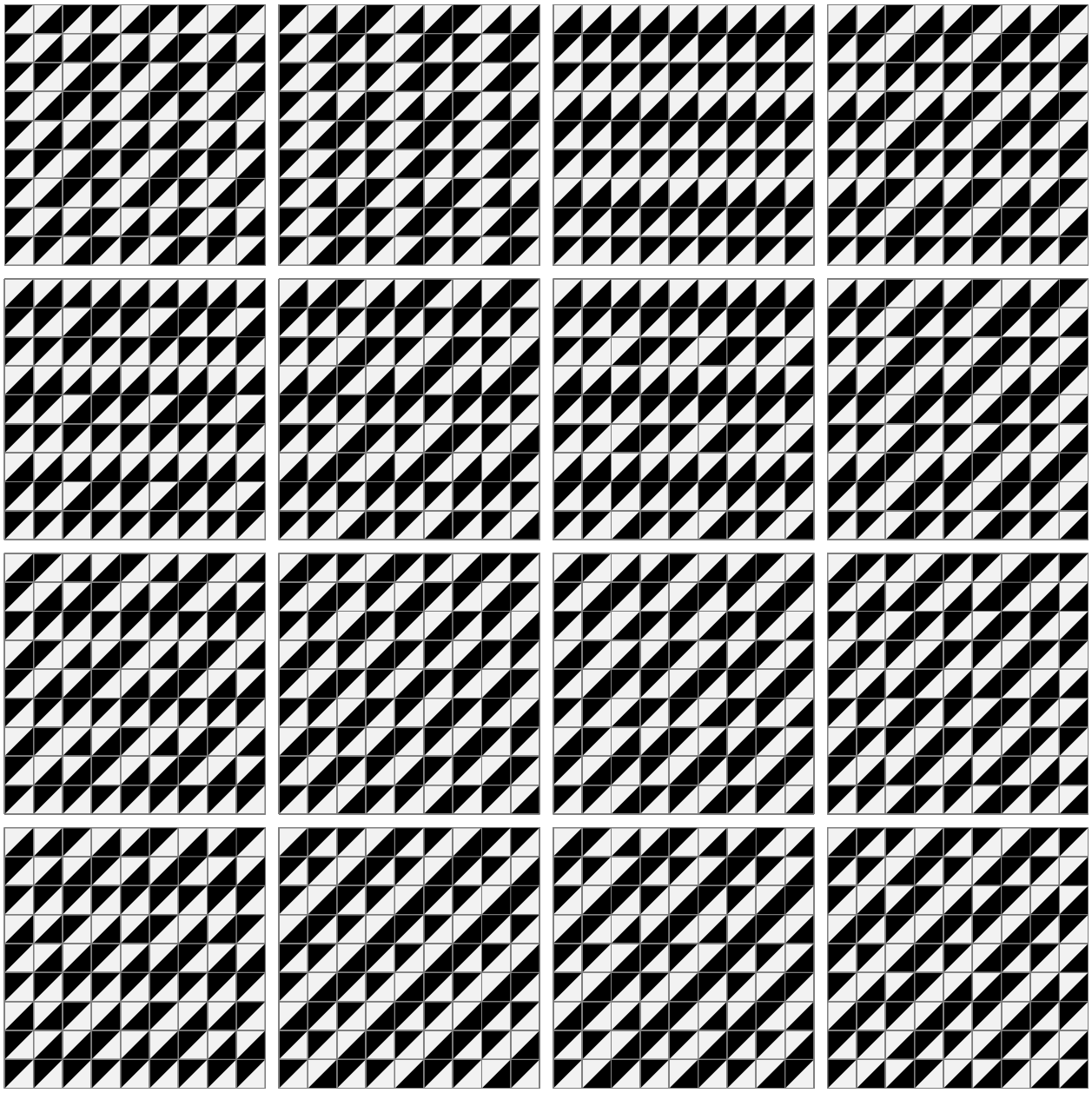The A368308(3, 3) = 32 ways of tiling the 3×3 torus by tiles in $\{$, $\}$ up to 180° rotation (together with cyclic shifting of rows and columns):