



```
% !TEX encoding = UTF-8 Unicode
% !TEX program = pdflatex
\documentclass{article}
\usepackage{tikz}
\begin{document}
\begin{tikzpicture}
\foreach \x in {1, 2, 3, 4, 5, 6, 7, 8}{
\foreach \y in {1, 2, 3, 4, 5, 6, 7, 8}{
\pgfmathtruncatemacro\xplusymodtwo{mod(\x + \y, 2)}
\ifnum \xplusymodtwo = 1
\fill [black!66!yellow] (\x, \y) rectangle (\x+1, \y+1);
\fi
}
}
\end{tikzpicture}
\end{document}
```