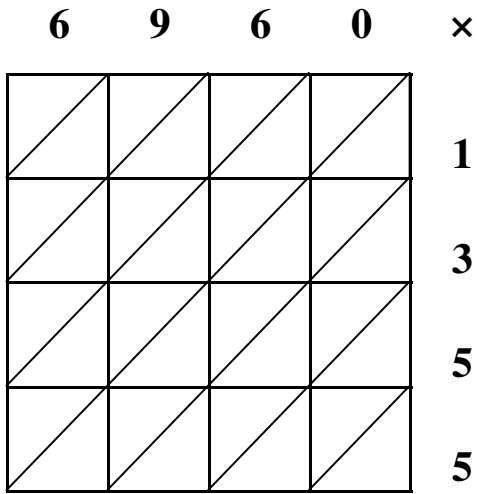
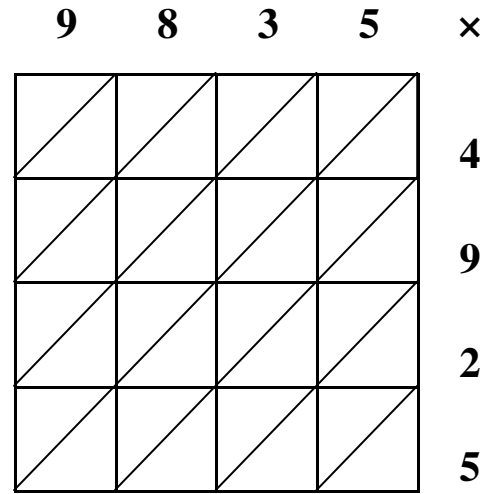


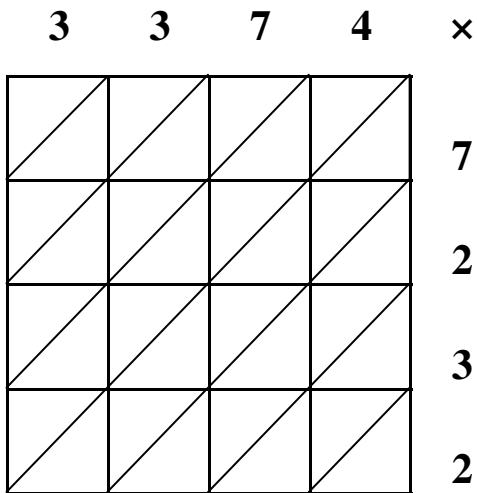
Lattice Multiplication (H)



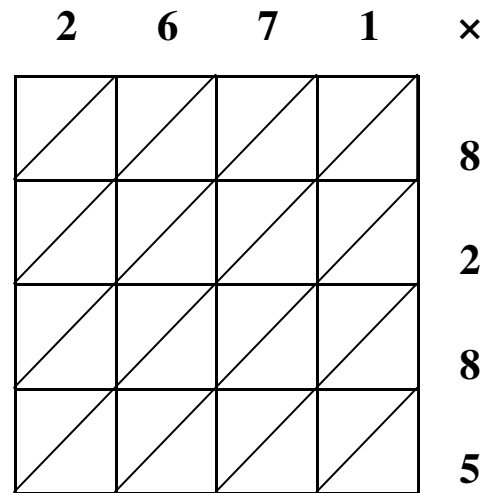
$$6960 \quad \times \quad 1355$$



$$9835 \quad \times \quad 4925$$



$$3374 \quad \times \quad 7232$$



$$2671 \quad \times \quad 8285$$

Lattice Multiplication (H) Answers

$$\begin{array}{r}
 \mathbf{6\ 9\ 6\ 0} \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 0 & 0 & 0 & 0 \\
 \hline
 1 & 2 & 1 & 0 \\
 \hline
 3 & 4 & 3 & 0 \\
 \hline
 3 & 4 & 3 & 0 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 0\ 0 \\
 2\ 9 \\
 2\ 4 \\
 2\ 3
 \end{array}
 \end{array}
 \times
 \begin{array}{r}
 \mathbf{1\ 3\ 5\ 5} \\
 \begin{array}{|c|c|c|c|}
 \hline
 0 & 0 & 0 & 0 \\
 \hline
 0 & 8 & 0 & 0 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 0\ 0 \\
 0\ 0
 \end{array}
 \end{array}$$

$6960 \times 1355 = 9,430,800$

$$\begin{array}{r}
 \mathbf{9\ 8\ 3\ 5} \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 3 & 3 & 1 & 2 \\
 \hline
 8 & 7 & 2 & 4 \\
 \hline
 1 & 1 & 0 & 1 \\
 \hline
 4 & 4 & 1 & 2 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1\ 4 \\
 1\ 8 \\
 2\ 4 \\
 2\ 3
 \end{array}
 \end{array}
 \times
 \begin{array}{r}
 \mathbf{4\ 9\ 2\ 5} \\
 \begin{array}{|c|c|c|c|}
 \hline
 7 & 3 & 7 & 5 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1\ 0 \\
 1\ 0
 \end{array}
 \end{array}$$

$9835 \times 4925 = 48,437,375$

$$\begin{array}{r}
 \mathbf{3\ 3\ 7\ 4} \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 2 & 2 & 4 & 2 \\
 \hline
 0 & 0 & 1 & 0 \\
 \hline
 0 & 0 & 2 & 1 \\
 \hline
 0 & 0 & 1 & 0 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 0\ 2 \\
 1\ 4 \\
 3\ 4 \\
 3\ 0
 \end{array}
 \end{array}
 \times
 \begin{array}{r}
 \mathbf{7\ 2\ 3\ 2} \\
 \begin{array}{|c|c|c|c|}
 \hline
 0 & 7 & 6 & 8 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1\ 0 \\
 1\ 0
 \end{array}
 \end{array}$$

$3374 \times 7232 = 24,400,768$

$$\begin{array}{r}
 \mathbf{2\ 6\ 7\ 1} \times \\
 \begin{array}{|c|c|c|c|}
 \hline
 1 & 4 & 5 & 0 \\
 \hline
 0 & 1 & 1 & 0 \\
 \hline
 1 & 4 & 5 & 0 \\
 \hline
 1 & 3 & 3 & 0 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1\ 2 \\
 2\ 2 \\
 2\ 1 \\
 2\ 2
 \end{array}
 \end{array}
 \times
 \begin{array}{r}
 \mathbf{8\ 2\ 8\ 5} \\
 \begin{array}{|c|c|c|c|}
 \hline
 9 & 2 & 3 & 5 \\
 \hline
 \end{array} \\
 \begin{array}{l}
 1\ 1 \\
 1\ 1
 \end{array}
 \end{array}$$

$2671 \times 8285 = 22,129,235$