

* Multiply Strings

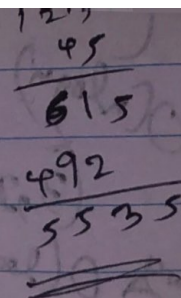
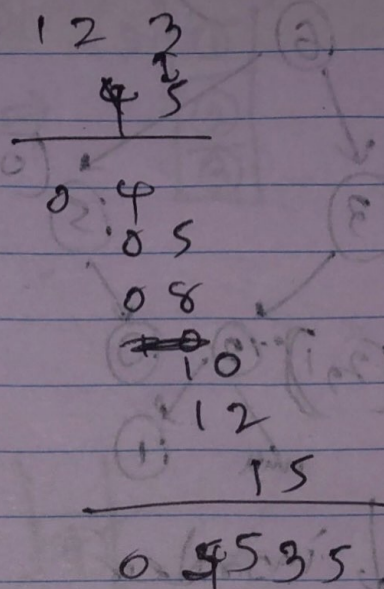
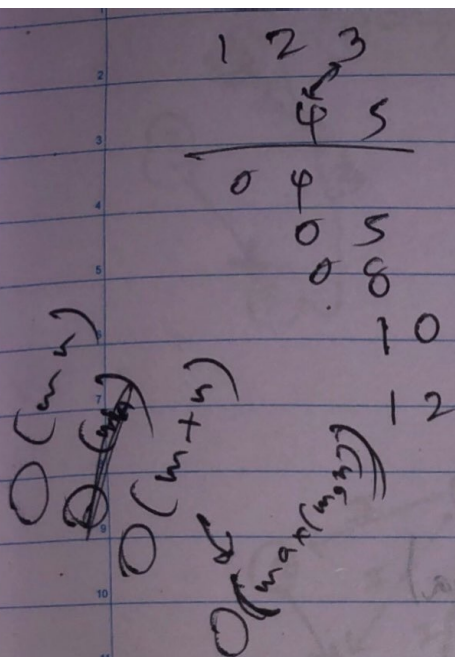
$$\begin{array}{r} 123 \\ \times 45 \\ \hline 04 \end{array}$$

$$\begin{array}{r} 123 \\ \times 45 \\ \hline 0405 \end{array}$$

$$\begin{array}{r} 123 \\ \times 45 \\ \hline 0405 \\ 0800 \\ \hline 05400 \end{array}$$

$$\begin{array}{r} 123 \\ \times 45 \\ \hline 0405 \\ 0800 \\ \hline 05400 \end{array}$$

$$\begin{array}{r} 123 \\ \times 45 \\ \hline \end{array}$$



add to place $\rightarrow i+j+1$
 carrier to $\rightarrow i+j$

99
 99
 0000 max.
 ignore
 or maybe 000
 leading 0 if there are any