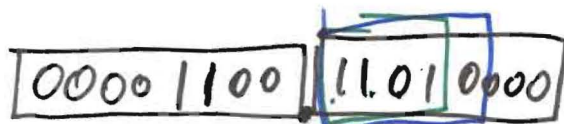


# Extra Notes - ECGR 6185

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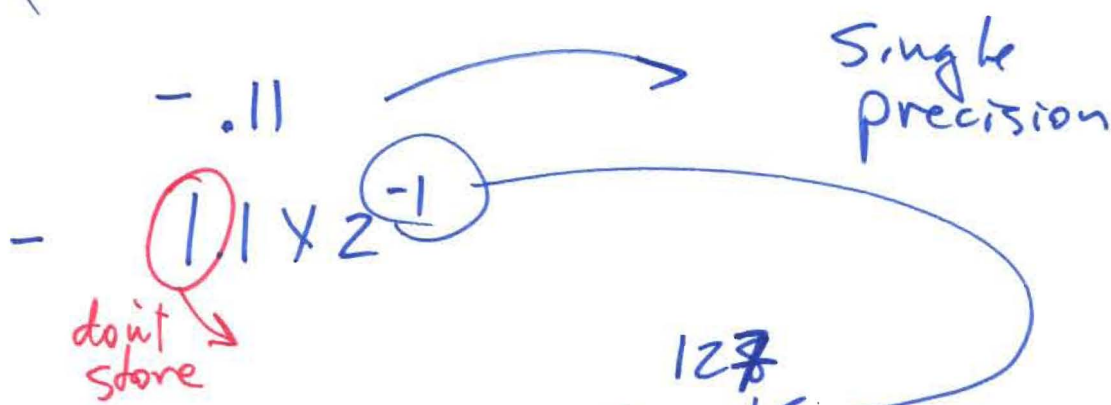
①



$$12 \quad \frac{1}{2} + \frac{1}{4} + \frac{1}{16}$$

$$\begin{array}{r} .5 \\ .25 \\ .0625 \\ \hline .8125 \end{array} \longrightarrow$$

12.8125



$$\begin{array}{r} 127 \\ + \quad -1 \\ \hline 126 \end{array}$$

0111 1110 = 126  
 0111 1111 = 127  
 1000 0000 = 128

