

Jimmyang Bi (Koby)

$$\begin{array}{r} 3.1 \quad 5ED4 \\ - 07A4 \\ \hline \del{5} \del{A} \\ 5730 \end{array}$$

$$\begin{array}{r} 3.2 \quad 5ED4 \Rightarrow 0101\ 1110\ 1101\ 0100 \\ - 07A4 \quad - 0000\ 0111\ 1010\ 0100 \\ \hline 5730 \Leftarrow 0101\ 0111\ 00\del{1}\ 0000 \end{array}$$

$$\begin{array}{r} 3.6 \quad 185 \Rightarrow 10111001 \\ - 122 \quad - 01111010 \\ \hline 63 \Leftarrow \del{1}\del{1}\del{1}\del{1}\del{1} \\ 111111 \end{array}$$

~~It's~~ It's neither

$$\begin{array}{r} 3.7 \quad 185 \Rightarrow 10111001 \text{ (overflow)} \\ + 122 \quad + 01111010 \\ \hline 307 \quad 100000011 \text{ (overflow).} \end{array}$$

It's overflow.

$$\begin{array}{r} 3.8 \quad 185 \Rightarrow 10111001 \text{ (overflow)} \\ - 122 \quad - \end{array}$$

It's overflow