## Nasa Format Lab

$$-37.25 -> 4800006$$

$$37.25_{10} \xrightarrow{\frac{1}{3^{6}}} \frac{1}{3^{5}} \frac{0}{3^{4}} \frac{1}{2^{5}} \frac{1}{2^{2}} \frac{0}{2^{1}} \frac{1}{2^{0}} \xrightarrow{\frac{37}{32}} \frac{1}{2^{2}}$$

$$-37.25_{10} \xrightarrow{\frac{1}{3^{6}}} \frac{1}{3^{5}} \frac{0}{2^{4}} \frac{1}{2^{5}} \frac{1}{2^{2}} \frac{0}{2^{1}} \frac{1}{2^{0}} \xrightarrow{\frac{37}{32}} \frac{1}{2^{2}} \frac{0}{2^{1}} \frac{1}{2^{0}} \xrightarrow{\frac{37}{2}} \xrightarrow{\frac{37}{2}} \frac{1}{2^{0}} \xrightarrow{\frac{37}{2}} \xrightarrow{\frac{37}{2}} \frac{1}{2^{0}} \xrightarrow{\frac{37}{2}} \xrightarrow{\frac{37}$$

$$0.2 \times 2 = 0.4$$
 $4 \times 2 = 0.8$ 
 $8 \times 2 = 1.6$ 
 $6 \times 2 = 1.2$ 
 $2 \times 2 = 0.4$ 
repeats

00000010

regative switch otals.

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+1