

MUL (12 erest 12)

$$AX = \underline{\underline{AL}}$$

\* Rep. Bellenic (8-bit)

$$(DX AX) = AX * \underline{\text{Rep. Beh}} (16)$$

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AX 0002

512 → 0200

DX AX

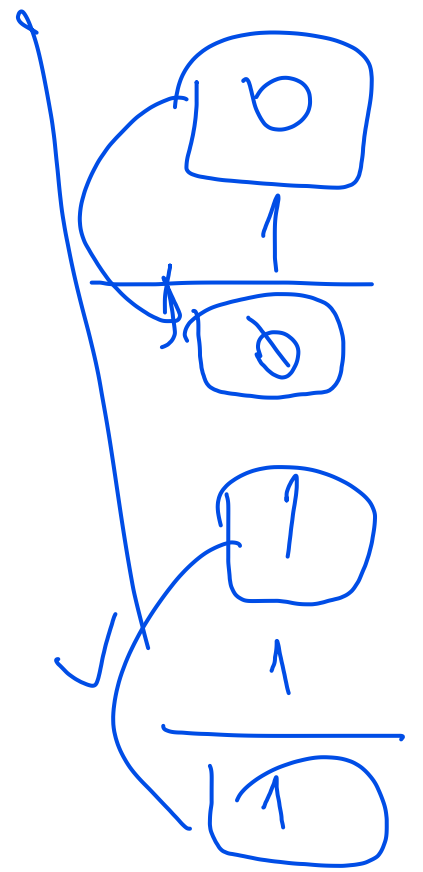
→ 0000 0200

0 1 1 1 1 1 1 1 (+127) positive

1 0 0 0 0 0 0 0 (-128)

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0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 +32767  
 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 -32768



32 →

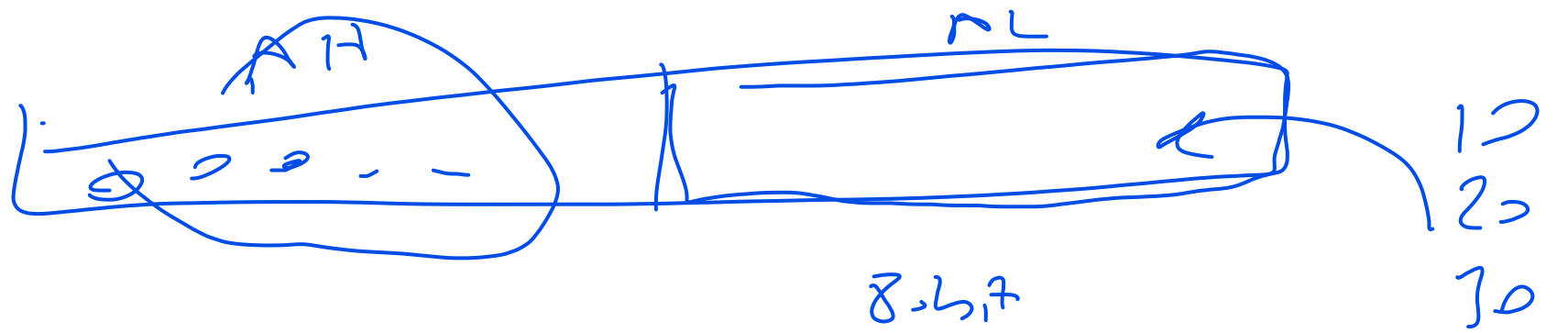
$$\begin{array}{cccccccc}
 \underline{0} & \underline{0} & \underline{1} & \underline{0} & \underline{0} & \underline{0} & \underline{0} & \underline{0} \\
 \uparrow & \uparrow & 0 & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\
 \hline
 1 & 1 & 1 & 0 & 0 & 0 & 0 & 0
 \end{array}$$

-32

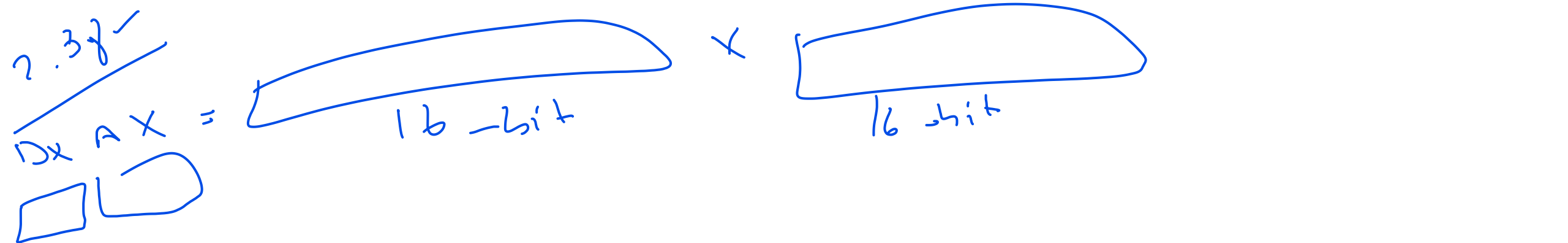
Ans

$$\begin{array}{cccccc}
 0 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \\
 \hline
 1 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 \\
 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0
 \end{array}$$

$$\begin{array}{cc}
 \begin{array}{c} 0 \\ 0 \\ \hline 0 \end{array} & \begin{array}{c} 1 \\ 0 \\ \hline 0 \end{array}
 \end{array}
 \rightarrow
 \begin{array}{cc}
 \begin{array}{c} 0 \\ 1 \\ \hline 0 \end{array} & \begin{array}{c} 1 \\ 1 \\ \hline 1 \end{array}
 \end{array}$$



Ax



0 1 1 1 / 1 1 1 1

+ 127

1 0 0 0 0 0 0 0

- 128

0 1 1 1 1 1 1 1  
1 0 0 0 0 0 0 0

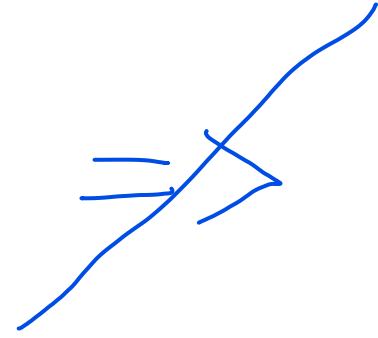
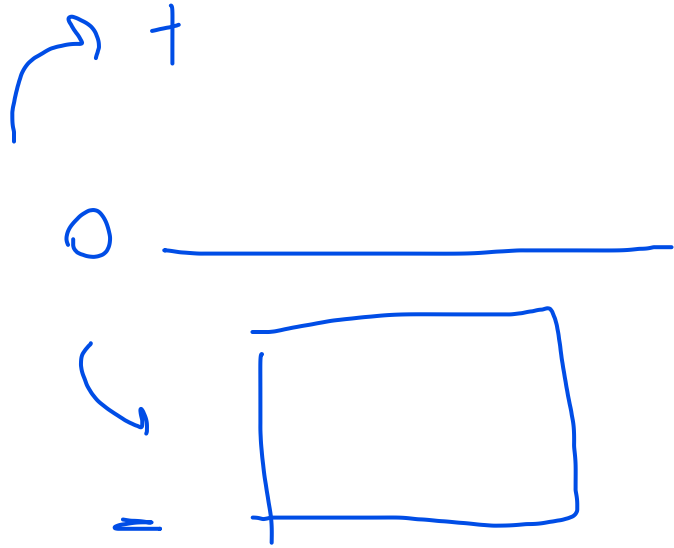
1 1 1 1 1 1 1 1 / + 32767  
0 0 0 0 0 0 0 0 - 32768

$$\begin{array}{r} 0001 \quad 1200 \\ \hline \text{DX} \quad \text{AX} \end{array}$$

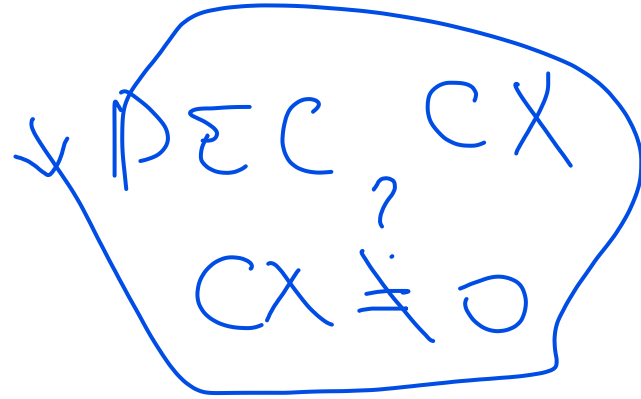
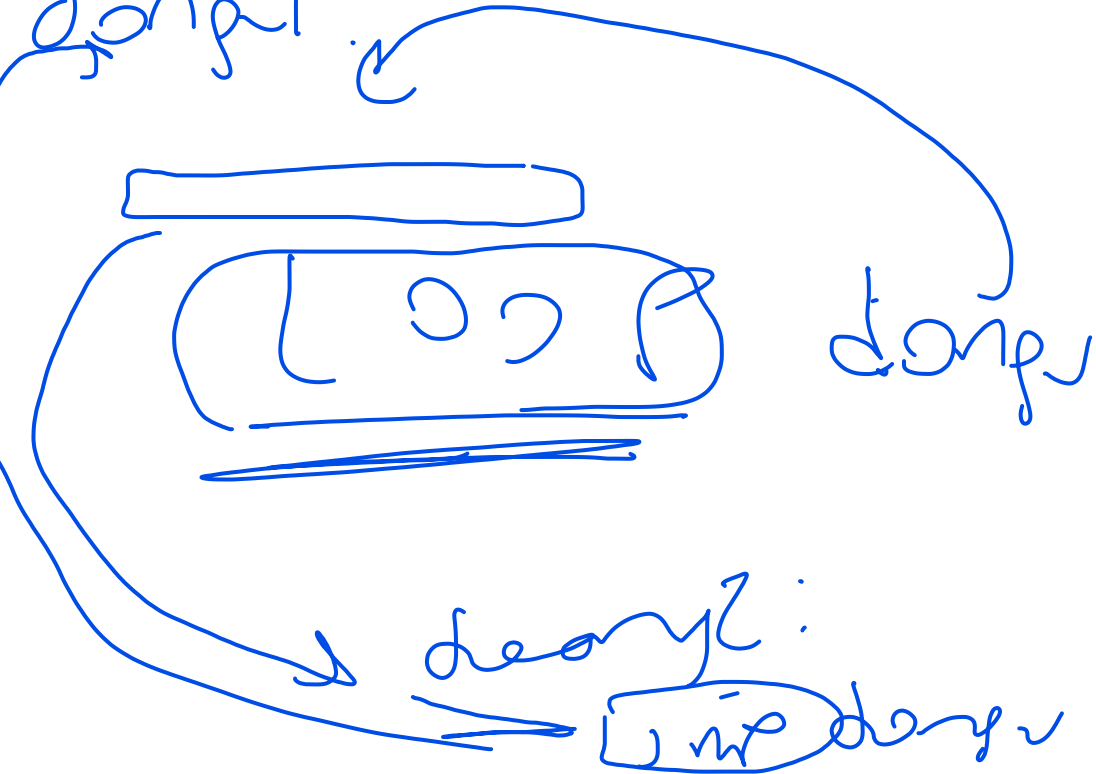
$$\underline{0} \quad \underline{0} \quad \underline{1} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad \underline{0} \quad 32$$

$$1 \quad 1 \quad 0 \quad 1 \quad 1 \quad 1 \quad 1 \quad 1 \quad +1$$

$$\boxed{1 \quad 1 \quad 1 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0} \quad -32$$



dongu:



DEC CX

JCXZ bitir

















