Mid 2016



- @ true
- 2. © Register indiret.
- 3. O Lage instruction set
- 4. 6 Salse

HOW What

Durston 2

1. a. 260 > 28 then we need [9 bits] for

of code and 123 bits left her address

D. 2 3 Mega byte 1 L 2 = 8

Minimum Signed binary number 1000 0000 0000 0000 In hex - \$ 8000

 $[03] \leftarrow [A1]$

3. [D5] ← [D5] x2 0011 1010 first byte 0111 0100 × ASL of 05 Msb = 0 her number is positive in N= 0 23 Complement He Value is not Laro £ = 0 No overflow occurred V = 0 meeltiplying the number gove the number the left bit shifted out is Zero فَلْنَهُ أَنْ آخِ رَقِمِينَ فِي 20 هَا أكب الدكتور صنجيب حاجة tricky عمان تعب اله المكتور صنجيب 1011 1010 let hist byte 0111 0100 of 05 V=1 negative number multiplied by 2 gave + ve number C= 1 let hist byte N=1, 7=0

1111 0100

Scanned with CamScanner

1.
$$64 \rightarrow $40$$
 If $[D1] = 6000 f 7 D2$
 $(D1) = 0012 \ 03D f$ Remainder
Remainder quattent $40 \ f 7 D 2 = 12$
 $37D \downarrow$ 1
 $3D2$ HEX