

$$\begin{array}{r}
 5. \quad 21430 - 630 \\
 \quad \downarrow \quad \downarrow \\
 \quad 300 \quad 033
 \end{array}$$

$$\begin{array}{r}
 4 \overline{12} \\
 0 \ 2 \overline{12} \\
 0 \ 3
 \end{array}$$

$$\begin{array}{r}
 6 \overline{12} \\
 0 \ 3 \overline{12} \\
 5 \ 5
 \end{array}$$

$$\begin{array}{r}
 0500 \\
 0033 \\
 \hline
 5030 = 5030 \quad \text{errado}
 \end{array}$$

$$\begin{array}{r}
 b) \ 7 + 2 \\
 \quad \downarrow \quad 405 \\
 \quad 333 \\
 \quad \uparrow \uparrow \uparrow \\
 \quad 0333 \\
 + 0003 \\
 \hline
 03000 \quad \text{overflow errado}
 \end{array}$$

$$\begin{array}{r}
 2. \ 0150 - 35 \\
 \quad \downarrow \quad \downarrow \\
 \quad 3030 \quad 533
 \end{array}$$

$$\begin{array}{r}
 3030 \\
 - 9333 \\
 \hline
 \cancel{0033} \\
 0303
 \end{array}
 \quad
 \begin{array}{r}
 3030 \\
 1111 \\
 3030(C3) \quad \text{errado}
 \end{array}$$

$$b) \ 5550 - 430$$

$$\begin{array}{r}
 5033 \\
 - 0300 \\
 \hline
 0333 \\
 1111 \\
 3000(C5) \quad \text{errado}
 \end{array}$$



$$3. a) -26 + 32$$

↓

↪ 3500

053030

$$\begin{array}{r} 053030 \\ + 35306 \\ \hline \end{array}$$

053330

111111

330005(CS)

$$+ \frac{3}{3}$$

330030  $\neq$  3300.30<sub>2</sub> Errodo

$$b) 54 - 33 = 00033_2$$

↓

↓

3330 3033

3330

$$- 3033$$

0033

1111

3300(CS)

+ 3

3303 (C2)  $\neq$  000330<sub>2</sub> Errodo



04.

$$3223_{36}$$

$$3 = 0088$$

$$2 = 0030$$

$$2 = 0080$$

$$3 = 0005$$

$$\begin{array}{r} \underline{0003} \quad \underline{008} \quad \underline{006} \quad \underline{306} \quad \underline{055} \\ 3 \quad 8 \quad 0 \quad 4 \quad 3_8 \\ \neq \end{array}$$

$$\text{Erroro} \quad 3 \quad 0 \quad 4 \quad 5 \quad 2_8$$

05.

$$k) 330_8 + ED_{36} = 303000055_2$$

$$0_8 = 000$$

$$3_8 = 008$$

$$3_8 = 008$$

$$330_8 = 005008000$$

$$ED_{36}$$

$$34 \quad \underline{12}$$

$$0 \quad 07 \quad \underline{12}$$

$$3 \quad 3 \quad \underline{12}$$

$$3 \quad 3$$

$$33 \quad \underline{12}$$

$$3 \quad 6 \quad \underline{12}$$

$$0 \quad 3 \quad \underline{12}$$

$$3 \quad 3$$

$$\begin{array}{r} 003003000 \\ + 033503803 \\ \hline 300330805 \neq 303000055_2 \end{array}$$

Erroro



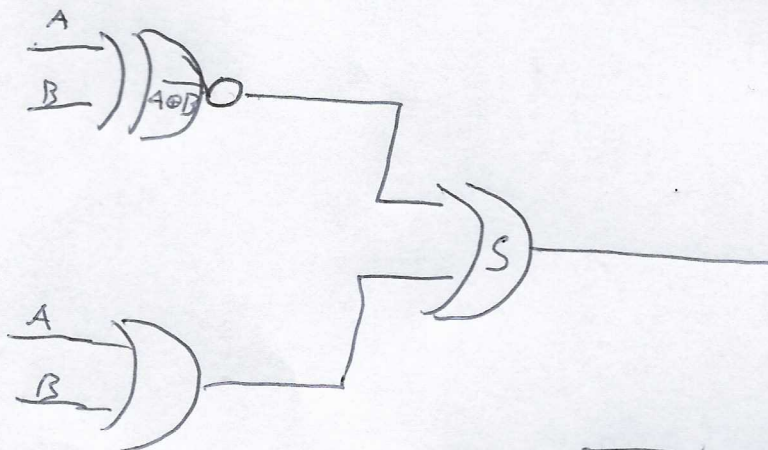
6)  $33A - 20D$

$$\begin{array}{r} 33A \\ - 20D \\ \hline 52D \end{array}$$

$A - D = 32 + 30 = 0$

7)

8)  $S = \overline{A \oplus B} + [CA + B]$



$AB$	$\overline{A \oplus B}$	$\overline{A + B}$	$S$
0 0	1	0	1
0 1	0	0	0
1 0	0	0	0
1 1	1	0	1
0 0	1	0	1
0 1	0	0	0
1 0	0	0	0
1 1	1	0	1