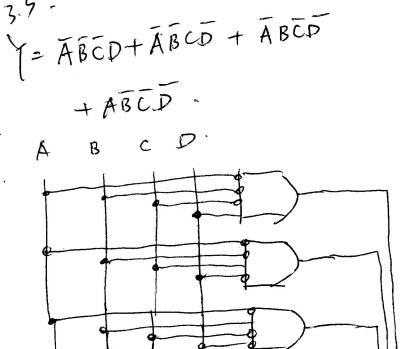
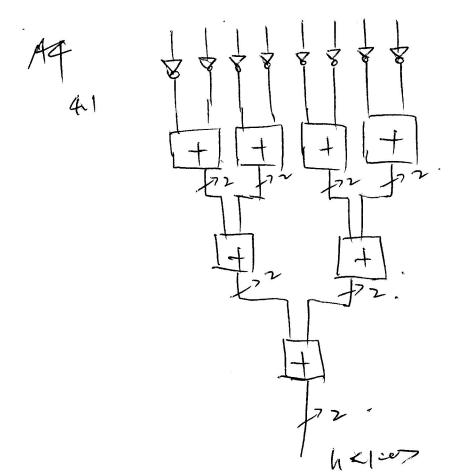
Al-1 (iii) . (1) A 13) ABCD-BCDE, A (4)

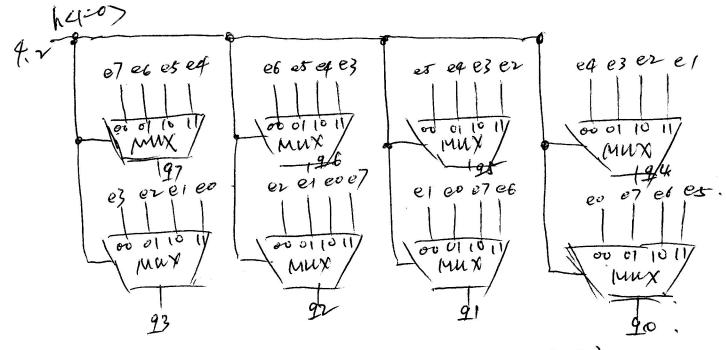
$$\overline{A} + \overline{B} + BC + \overline{C}$$

$$= AB + BC + \overline{C}$$

$$= \overline{AB \cdot BC \cdot C}$$







4.3: 0: 00110000 (10) 6= 0011010 (00)

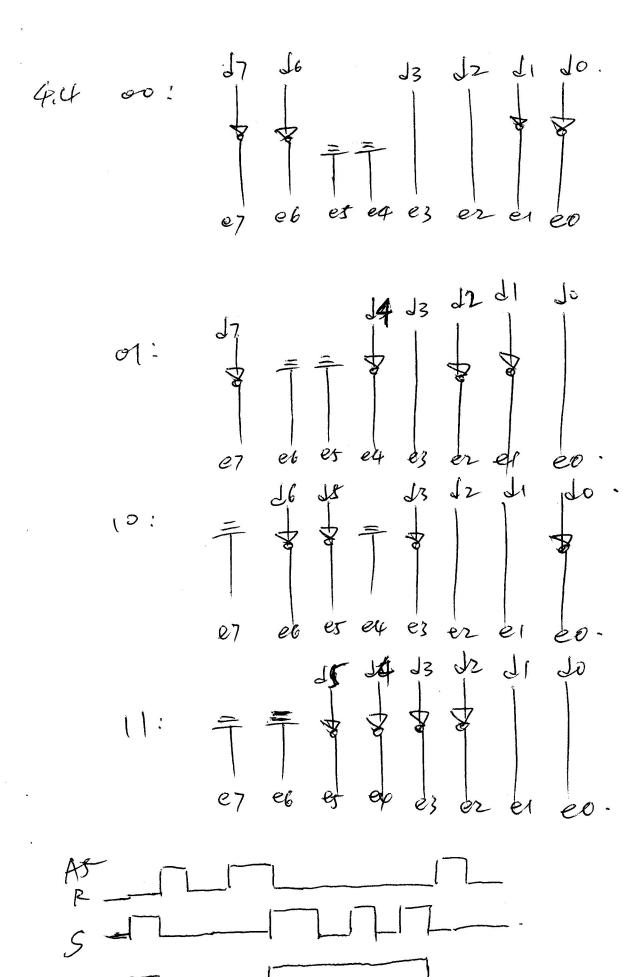
1: 0011000 (01) 7 = 0011011 (11)

2: 00110010 (01)

3: 0011001 (00)

4: 0011010 (01) 9= 0011100 (00)

5: 0011010 (01) 9= 0011100 (00)



$$S_{i} = \overline{S_{i}} S_{o} \overline{A} \overline{B} + S_{i} \overline{S_{o}} \overline{A} \overline{B}$$

$$= \overline{A} \overline{B} (\overline{S_{i}} S_{o} + S_{i} \overline{S_{o}})$$

$$= \overline{A} \overline{B} (\overline{S_{i}} S_{o} + S_{i} \overline{S_{o}}) + \overline{A} \overline{B} (\overline{S_{i}} S_{o} + S_{i})$$

$$= \overline{A} \overline{B} (\overline{S_{i}} S_{o} + S_{i} \overline{S_{o}}) + \overline{A} \overline{B} (\overline{S_{i}} S_{o} + S_{i})$$

$$= \overline{A} \overline{B} (\overline{S_{o}} + S_{i})$$

$$Y = \overline{5}, \overline{5}, \overline{6}AB + \overline{5}, \overline{5}, \overline{A}B + \overline{5}, \overline{5}, \overline{A}B + \overline{5}, \overline{5}, \overline{6}AB + \overline{5},$$