



	and the same of th		100
1	Ċ\$2	CS1	4
	0	0	0
	0	1	0
	1	0	3
	1	1	13

$$\begin{array}{ll}
\checkmark = & CS2\overline{B} + (S2CS1\overline{B}) \\
= & CS2.\overline{B}; \\
\times \circ = & A;
\end{array}$$

Logical Part: Dependent on CSO and (SI when cso =1, the csi aso, is don't -core. we can force it to good by making Cin - C50 CSZ. X; Yi C; Operation Regulared operation Now, (52 CSI CSO 1 × 1 A; O; O F; A; A; AND (Equivalence)

So when C52 C50 = 01, we can or B; with

Ai, and the result will be A+B.

Xi= Ai+ C52 C50Bi

AND operation where the exposition is equivalence.

F; : A; (A)B;

Let us investigate the possibity of ORing each impart

A; with some boolean function K; when CSZCSI=1?

 $F_{i} = \times i \oplus Y_{i}$   $= (A_{i} + k_{i}) \oplus B_{i}^{*}$   $= A_{i}B_{i} + k_{i}B_{i} + A_{i}^{*}(k_{i})^{*}B_{i}^{*}$   $= A_{i}B_{i} + k_{i}B_{i} + A_{i}^{*}(k_{i})^{*}B_{i}^{*}$   $= A_{i}B_{i}^{*} + A_{i}B_{i}B_{i}^{*}$   $= A_{i}B_{i}^{*}$ 

: Xi= A;+ C50C52B; + CSUCSQB;1

