

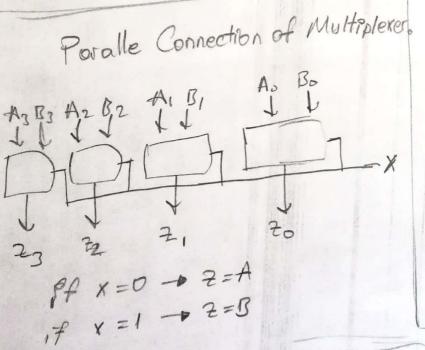
n-BH Binary Parallel Adder. B2 A2 3, A1 Bg A0 E3 FA &2 FA & (cib) 7483 IC is a 4 bit binary parallel adder. We can find 8 bit adder by connecting 2 parallel 7483 Jubtracting Adder and not gates are enough. S=A-B = A+(B+1) 4-67 Porallel adder for two's complement

MuHiplexer (MUX) (Data felector)

2 data inputs (I), in selector (control), inputs (S), I data inputs

231 Mutiplexer

$$\begin{array}{c} I_{\circ} \longrightarrow \boxed{2:1} \\ I_{\perp} \longrightarrow \boxed{uux} \longrightarrow \overline{z} \\ S \end{array}$$



-	I, I	05	1=
(00	0	0
(0 0	1	0
0) 1	0	11
. 0	1	1	0
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	1

Usage of MuHiplexer The same order circuit can be used to add different numbers.

5a→	× 4	, Sb.	W +	(Kx)
74	4		5	+
Cout		Result		

NA PA	Sia	Sh	Result
-	0	0	Y+W
	0	1	X+Z
	1	0	14+W
	1	1	14+2
		建门热	