

Eg:-

1 1 1 0
1 1 1 1

$$101 + 111 = 1$$

6x(9)-1

1 1 1 0
1 1 1 0
1 1 1 0

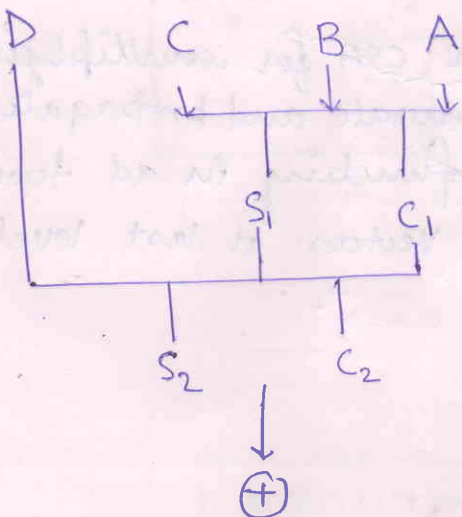
1 0 1 0 1 0 $\rightarrow S_1$

0 1 1 1 0 0 $\rightarrow C_1$

1 1 1 0 $\rightarrow D$

~~1~~ 1 1 0 0 0 1 0

0 1 1 1 0 0 0



CSA level-1

CSA level-2

Gate delay in CSA = $1 + 2 \times \# \text{ CSA levels} + \text{Adding 2 vectors (S and C)}$