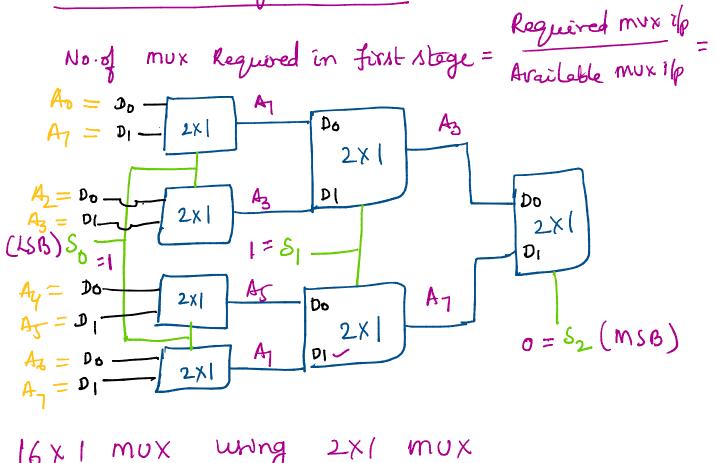
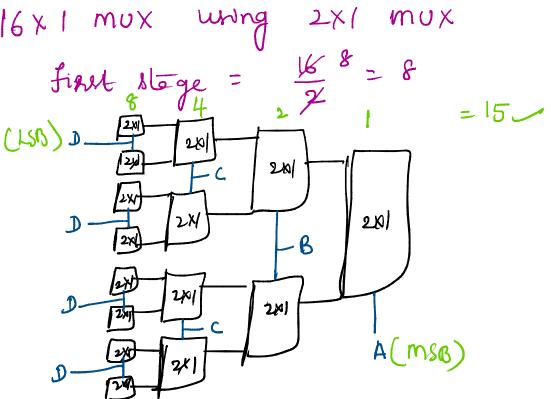
Y0 = A1 2×1 (MSB) $S_1 = 1$ Avrilable No. of multiplexels required = lequired Mux ilps Available MUX i/p

No. of 2x1 mux required to deings 16x1 mux = __

8×1 mux whng 2×1 mux

8×1 mux whong 2×1 mux





$$\begin{array}{c|c}
x & 6 \\
\hline
- y & 1 \\
\hline
z = 1
\end{array}$$

$$\begin{array}{c}
x\overline{z} + \overline{y}z \\
\end{array}$$

B
$$A = 0$$

$$A = A = 0$$

$$AB + AB = ABB$$

$$A = 0 = A$$

$$A = 0 = B$$

$$A = 0 = B$$

$$A = 0 = B$$