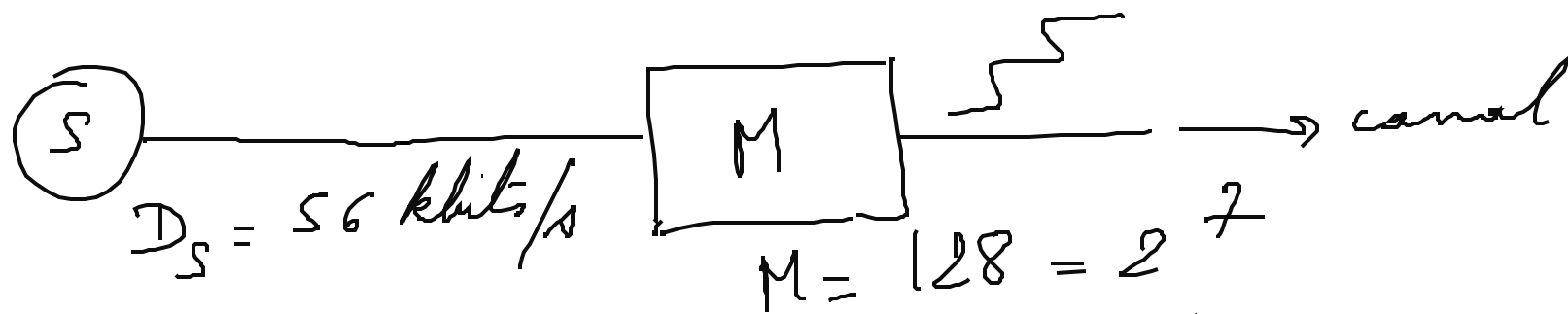
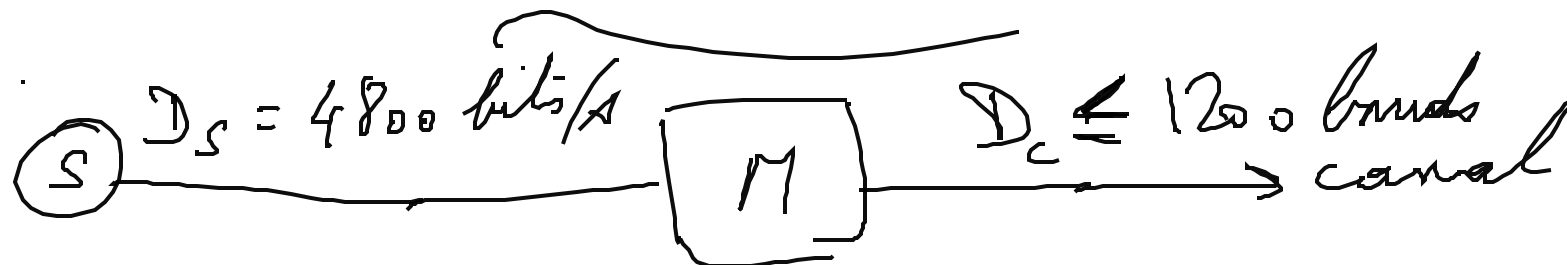


1.6



$$D_c = \frac{D_s}{\log_2 M} = \frac{56000 \text{ bits/s}}{7} = 8000 \text{ bauds}$$

1.7



$$D_s = D_c \log_2 M \Rightarrow 4800 = 1200 \cdot \log_2 M$$

$$\log_2 M = \frac{48}{12} = 4 \text{ bits/symbol} \rightarrow M = 2^4 = 16$$