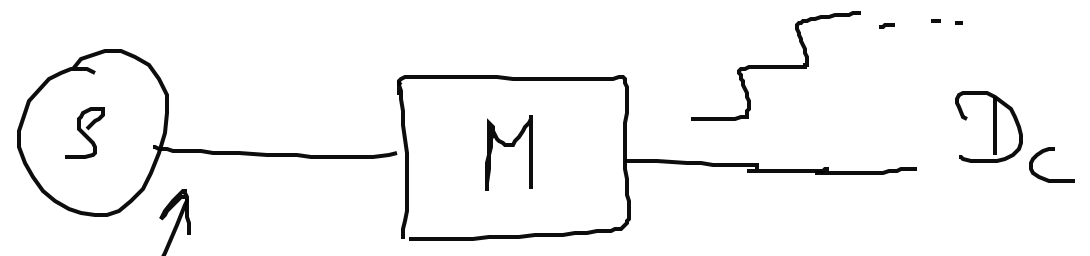


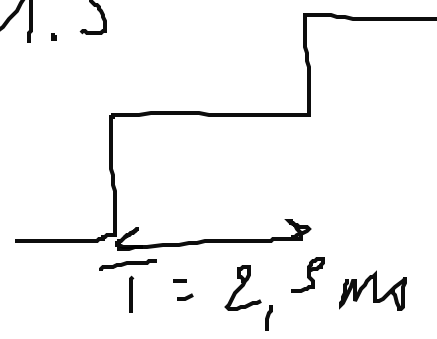
1.4 $m = 4$



$D_s = 3600 \text{ bits/s}$
 $m = \log_2 M$
 $= 4$
 $M = 2^4$
 $= 16$

$$D_c = \frac{3600 \text{ bits/s}}{4 \text{ bits/symbol}} = 2400 \text{ bauds.}$$

1.5 $m = \log_2 M = 6 \text{ bits/symbol}$



$C = D_s = D_c \cdot \log_2 M = \frac{1}{2.5 \cdot 10^{-3}} \cdot 6$
 $= \frac{6000}{2.5} = 2400 \text{ bits/s}$