$$T_{5a} = \frac{1}{30} \times 10^{-7} S = 39 MS$$

FOR 100 695C.

2 41-25M5

$$T_5 = T_5 \alpha + \frac{1}{16} T_5 \alpha = 37 + \frac{1}{16} 33$$

$$= 35.06 \mu 5$$

$$R = \frac{M \times DF}{M} \times N = 4 \times 30 \times 240$$

$$= 29.3 \text{ Mbp5}$$

$$E(T_X) \text{ overhead} = lodg(\frac{T_S}{T_{Syn}})$$

$$= 0.96 ds$$

$$for CP^{2}$$

$$E(7x) overheod = 10 109 (35.06) = 0.261B$$

Transnitted energy overhead = 10 109 
$$\left(\frac{T_S}{T_{SYM}}\right)$$

= 10 109  $\left(\frac{\Delta f}{T_{SYM}}\right)$ 

10 
$$\log ((T_{CP} bf + 1) 0f) \le 0.5$$
 $\log ((T_{CP} 0f + 1) 0f) \le 0.05$ 
 $T_{CP} 0f^{2} + 0f \le 10^{0.05} = |\cdot|22$ 
 $T_{CP} 0f + 1 \le |\cdot|22$ 
 $T_{CP} 0f \le 0.122$ 

$$Df \le 0.122$$

$$Df \le 0.122$$

$$0f = 0.122$$

$$0f = 20 \mu_{3}$$

0