HONEWORK IS

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$$A=1, \lambda=\frac{1}{4}, \chi=\frac{3}{4}$$

$$1 = (0,0)$$

$$2 = (1,0)$$

$$3 = (1,1)$$

$$4 = (0,1)$$

$$T_1 = T_2 H$$

$$T_2 (\lambda + H) = T_4 \times + T_4 \times + T_5 \times +$$

$$T_{2}(x+4) = T_{4}(x)$$
 $T_{2}(x+4) = T_{4}(x)$
 $T_{3}(x) = T_{2}(x) + T_{4}(x)$
 $T_{5}(x) = T_{5}(x)$
 $T_{5}(x) = T_{5}(x)$
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 $T_{5}(x) = T_{5}(x)$

$$T_{2}^{2} = T_{1}$$
 $T_{2}^{2} = T_{4}$
 $T_{2}^{2} = T_{4}$
 $T_{2}^{2} = T_{4}$
 $T_{2}^{2} = T_{3}$

$$T_{4} = \frac{3}{8}$$
, $T_{2} = \frac{3}{16}$, $T_{3} = \frac{1}{8}$, $T_{4} = \frac{5}{16}$

15.1.B

10 Mbps.

$$R(t) = P(x > t) = 1 - P(x < t)$$

= $[1 - e^{-xt}]$