作业1

5.

- (a) 每个收费站之间相距 150/2=75(km) 每个收费站的传输时延=10*12 = 120(s)=2min 收费站之间的传播时延=75/100=0.75(h)=45min 所以,车队通过三个收费站所需时间 t=2*3+45*2=6+90=96(min)
- (b) 传播时延同(a), 传输时延=8*12=96(s)=1.6min 所以,总时长 t=1.6*3+45*2 = 94.8(min)

8.

10. di = dpuc x) + (\frac{2}{R_1} + \frac{2}{R_2} + \frac{2}{R_2})

10.

 $+\left(\frac{d_1}{\varsigma_1} + \frac{d_2}{\varsigma_2} + \frac{d_3}{\varsigma_3}\right)$

当 L=1500byte=12000bit.

dis = 3ms x2 + (12000 x3)ms

= 6+6x3+(2v+16+4)

=64 (ms)