

Assignment # 02

Question 1 Part (a)

WTS Population = 20

BTS Population = 15

$$\frac{\Delta W}{\Delta t} = w W B$$

$$W(t) = W(t - \Delta t) + \Delta W$$

$$W(t) = W(t - \Delta t) + w W B \Delta t$$

$$W(1) = W(0) + w W(0) B(0) \Delta t$$

$$\Delta t = 1$$

$$W(1) = W(0) + w W(0) B(0) 1$$

$$8 = 20 + w 20 (15)$$

$$\frac{-12}{30} = w$$