Total System costs for assignments (1), (2) and (3)

(i) 
$$x_1 = 0$$
  $x_2 = d$   
 $c_1(0) = \infty$   $c_2(d) = 3 + d$ 

(a) 
$$x^{1}=y$$
  $x^{5}=0$ 

$$c_1(d) = 1 + \frac{1}{d}$$
  $c_2(0) = 3$ 

$$f \odot = dx \frac{d+1}{d} + 0 \times 3 = d+1$$

using 
$$x_1 = 0.5$$
  $x_2 = 0$   
 $C_1(x_1) = 3$   $C_2(x_2) = 3$ 

using 
$$x_1=2$$
  $(x_2=-1.5)$  Condition  $((x_1)=1.5)$   $((x_2)=1.5)$ 

## Summary:

$$f_{2} = d+1 \quad [x_1 = d, x_2 = 0]$$

$$f(3) = 1.5 \qquad [((x_1) = (2(x_2))]$$

$$[x_1 = 0.5, x_2 = 0]$$

## Using Minimum demand d = 0.5:

Reminder: G, X, in relation to public tronsport

Cz, Xz in relation to Congestible choice (e.g. Cor traffic)

i.e.fo relates to car traffic only
for and for one for public transport only.