

(2)

$$~~y=3 \quad z=5 \quad t=2~~$$

$$~~y=5 \quad z=3 \quad t=1~~$$

$$y=6 \quad z=2 \quad t=1$$

$$~~y=7 \quad z=1 \quad t=1~~$$

$$OC=2$$

$$2t + 11(y+z) = 110$$

$$y+z=10 \text{ would work as } t=0 \text{ but } t \geq 0$$

$$y+z=8 \Rightarrow t=11 \times$$

$$OC=1 \quad 2t + 11(y+z) = 130$$

$$y+z=12, \quad t=9$$

$$y=8 \quad z=4 \quad t=9$$

$$y=7 \quad z=5 \quad t=9$$

$$y=6 \quad z=6 \quad t=9$$

$$y=5 \quad z=7 \quad t=9$$

$$y=4 \quad z=8 \quad t=9$$

(4)

(10)