Systems applications day 1 Wednesday, November 15, 2017 11:28 AM Notes Templat

$$1. \quad 15a + 7c = 158 \\ 2a + 13c = 63.50$$

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2.

$$a+c = 32$$

 $375a + 1.25c = 87.50$
 $a = # of adult + x.$
 $c = # of ehild tx$

3.
$$\alpha + c = 87$$

8.50 $\alpha + 4c = 451.50$

4.

$$a = # of a tx$$

 $c = # of c tx.$
4.
 $2c + 5g = 33.50$
 $8c + 3g = 76.50$
 $c = # / pound$
 $g = # / pound.$

5.

$$4n + 2r = 23.50$$

 $2n + 4r = 18.50$
 $n = $/16$

$$D = r \cdot t$$

$$H_{r}$$

$$upstream
CURRent
pustes against
r-c

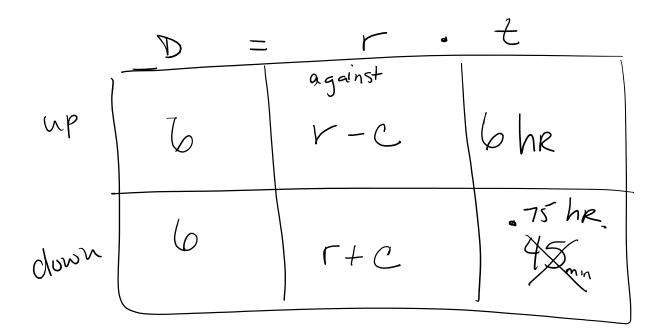
$$downstream
Current
pustes forward
r+C$$

$$D = r \cdot t$$

$$up (2(r-c)) r-c 2$$

$$down (4(r+c)) r+c 4$$$$

.



$$b = (r-c)b$$

 $b = (r+c).75$