

11 - 21 - 05

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- * Links to Handout on Solver/
Sample Spreadsheet on calendar_{ear}
- * Ch 9 Hw Due Tuesday
after break

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Solver in Excel

Can easily solve linear programming problems

- Need to focus on

① Writing L.P. problems in algebraic form to put into Excel

② Concentrate on how to change problems - resources, objectives

Example Mrs Knotts

Original 54 Vitamins
\$6225 Profit

Vit	54	56	60	62
Profit	6225	6400	6750	6750
	175			
<u>Profit</u>	\$87.50			
Vitamin				

- ① How much should Mrs Knotts pay for extra vitamins? \$87.50
- ② How many extra vitamins should she get? $60 - 54 = 6$.

New Question:

If profit/dog changes, will Mrs Knotts strategy (plan) to raise 21 cats & 33 dogs change?

Profit/dog	125	150	175	250	300
(c, d)	(21, 33)	(21, 33)	(21, 33)	(21, 33)	(0, 40)
extra profit/dog	$= 300 - 125 = 175$				