$Z^* = 11 Milhon$   $Z_1^* = 11 Milhon$ 4000 hrs 11,000,000. 11,002,000 · 4001) hrs \_\_ Shadow price 2000 -> Marginal frile Shadow price \$2000/m (4000 ms) \$2500/w (2500 hrs) Shadow forier depends on ette amount of his resource avoilable. Shadow frie of one resource also may depend on the amount of OTHER resources available. OBSERVATION SHADOW PRICES OF ALL RESOURCES ARE INTERCONNECTED

1. 
$$m_1 + 2. m_2 \le 4000 \text{ (hrs)}$$

$$\frac{1}{4000}$$
 m,  $\frac{1}{4000}$   $\frac{2}{4000}$   $\frac{4000 \text{ hg}}{4000}$   $\frac{1}{12}$   $\frac{1}{12}$   $\frac{1}{12}$ 

Mar 
$$3000 \, m_1 + 5000 \, m_2$$

S.t

 $\frac{1}{4000} \, m_1 + \frac{2}{4000} \, m_2 \le 1$ 
 $\frac{2}{6000} \, m_1 + \frac{2}{6000} \, m_2 \le 1$ 
 $\frac{2}{5000} \, m_1 + \frac{3}{4500} \, m_2 \le 1$ 
 $m_1, m_2 \ge 0$ 

$$m_1, m_2 \geqslant 0$$

per unit increase in E.A. cap increases contribution by 1 million per hour - 1000000 = \$250

OBSER VATION 2.

DIFFERENT SCALING OF A MODEL CAN GIVE US WRONG ANSWERS

Minimize ette amount 1 will pay

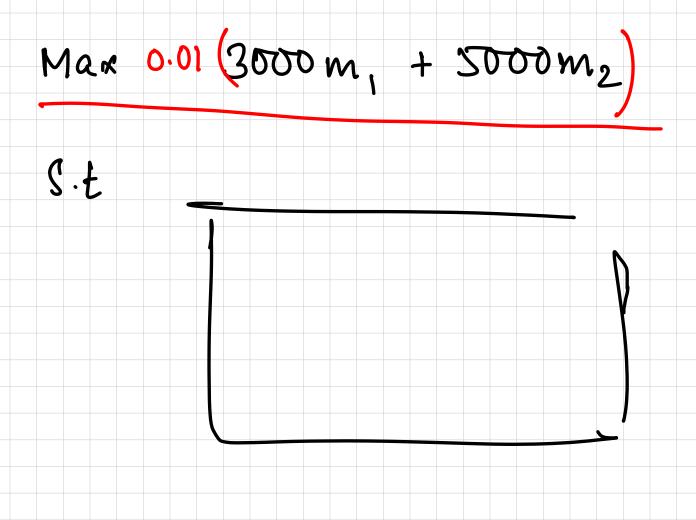
1% & 4000 PEA

1% & 6000 PMS

1% & 5000 P101

1% & 4500 P102

EX (4000 PEX + 6000 PM2 + 5000 P101 +4500 P102)



EA: \$2000 MS: \$500 101A: \$0

