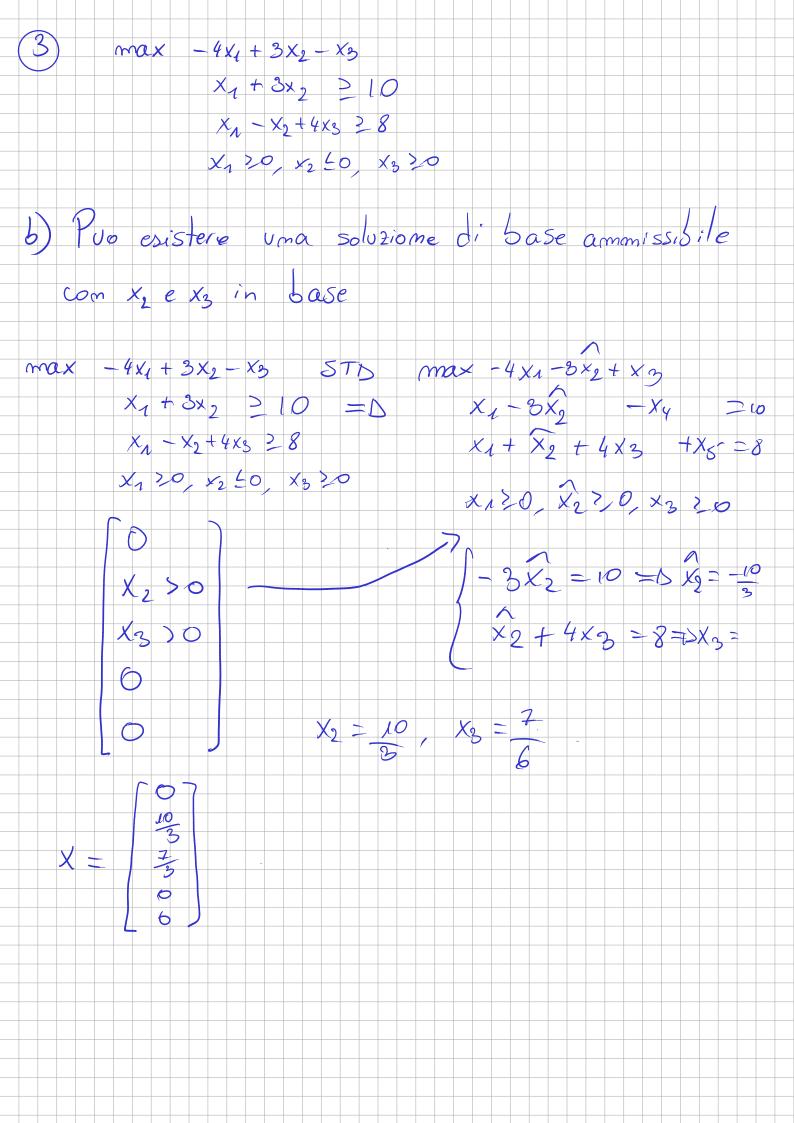


min 2x, - 3x2 + x3  $3x_1 + 2x_2 = 12$  5+d  $4x_1 + 2x_1 + 3x_3 \ge 2 = 0$  $2x_1 + \frac{1}{2}x_2 - 2x_3 \le 4$ X20, X20, X530 min 2x, - 3x, + x3 X1, X2, X3, X4, X8 30 3 x1 + 2 x2 4x1+2x2-3x3-x4 = 2  $2x_1 + \frac{1}{4}x_2 - 2x_3 + x_5 = 4$  $\begin{array}{c|c}
 & C_1 \\
 & C_2 \\
 & C_3
\end{array}$   $\begin{array}{c|c}
 & C_3 \\
 & C_3
\end{array}$ · Verifica amonissibilità 12=12 OK 12=12 OK  $10 \ge 2$   $12 \ge 2$   $13 \ge 2$   $26 \le 4$   $27 \le 4$  2· 5BA 14,0,2,8,0 12 = 12 & vor to = × vincoli = S13A 10 - x4 =2 =1> x4 = 8 4 + 15=4=0 16=0



c) Puo esistere una soluzione ottimo del Problema con xi in bose max -4x1-3x2+x3  $X_1 - 3X_2 - X_4 = 0$ X1+ X2 + 4X3 +X5 = 8 X120, X270, X3 20  $|\chi_{\lambda}\rangle$ 150  $x_1 - 3x_2 = 10 = 0$   $x_1 = 10 + 3x_2 = 10 + 3x_2$  $x_1 + x_2 = 8 = 0$  10 + 3 $x_2$  +  $x_3$  = 8 = 0 4 $x_2$  = -2 = 0 $x_2$  = -1  $= 5 \times 2 = \frac{1}{2} = 5 \times 1 = 10 + \frac{3}{2} = \frac{17}{2}$ 

