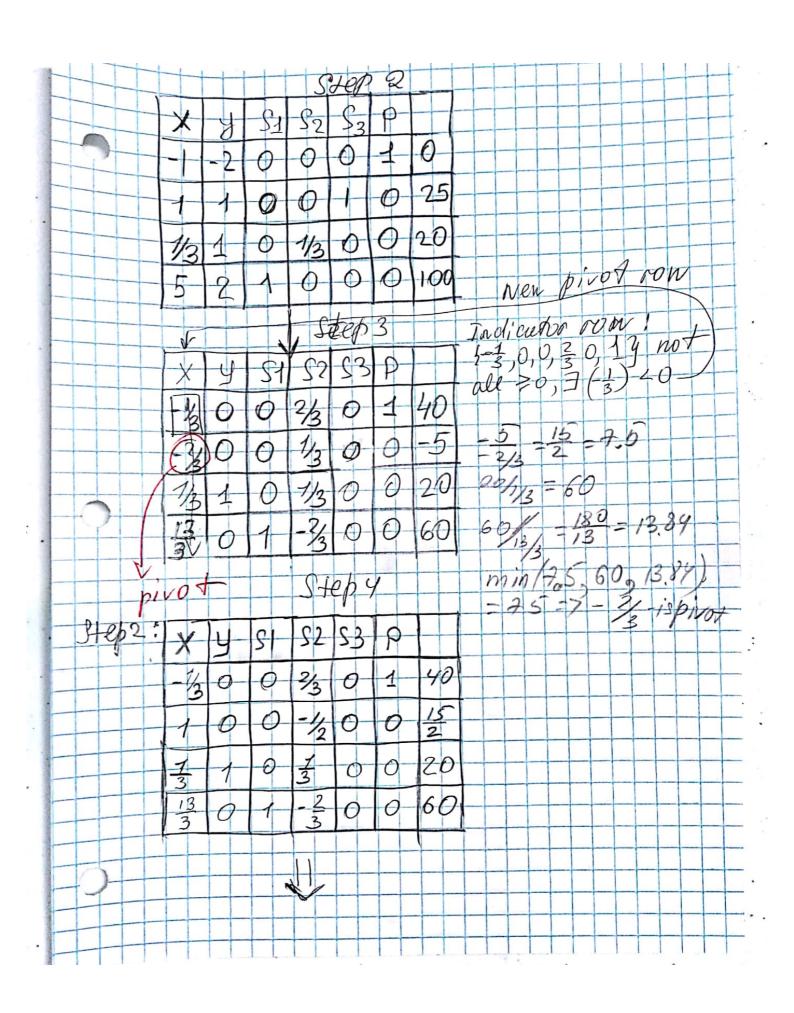


Problem 5x+2	em 10 Simplex	method,
$\begin{array}{c c} x & +3 \\ 2x + 2 \\ x \ge 0, \\ 06 \text{ ichive} \end{array}$	y < 60 y < 50 y ≥ 0 '. p = x+2y	
Step; 5x+	24 + Sz = 60 24 + Sz = 60	
$\begin{array}{c} x \\ -x - \\ x \ge 0 \\ S + ep 1 \end{array}$	ty + S3 = 25 2y + D = 0 520, S = 0 S > 20 bind pivot	, S ₃ ≥ 0
X	S ₁ S ₂ S ₃ P 2 0 0 1 0	25/1=25 min (25,205) 60/3=20 = 20 = 3
5 /2 pil	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	75/1 = 25 min $(25, 20)50/3 = 20 = 3100/9 = 50$ pivot = 3



X 4 81 82 83 P n max
sindicators are;
7 0 0 7 5 9 0 0 0 1 970
2 Dea inclication
$0 0 \frac{1}{2} 0 0 17.5 \text{are more or}$
0 0 1 -17 0 0 325 are more or equal zero
=> Step 5 is the lost step
of the Simplex Method and
Step 5 is FINAL 1HBLEAU
(42.5 is max IMI) objective found
X = 7.5
4 = 125
Because are solution is integer
solution we have to round
the value x and y and
cheek the constowns
$x = 8$ $x = 8$ $x \neq 3 \neq 60$ $y = 18$
y = 17 $y = 18$
3+3.17=59460
3+3-18=62 >6 does not setisfy the conflor
That the solution is
3+3-18=62 > 8 does not setisfy the conformal solution is 12/17+8= 42/17 MAX = 2, 4 + X = 2:17+8= 42/1