Gerciwo 5

Problema: Munimizan: Z= 6x1+7 X2

Sa: $11x_1 + 13x_2 \ge 22$ $4x_1 - 16x_2 \ge 48$ $x_1, x_2 \ge 0$

Muximer: Z= 22 y 1 + 48 y 2

77y, 79yz 56 13y - 16yz 57 y1, yz 20

Twund

| | Base | 2 | 71 | Yz | 51 | 52 | R |
|---|------|---|-----|-----|----|----|---|
| | Z | 1 | -22 | -48 | 0 | 0 | 0 |
| 1 | 51 | 0 | 11 | 9 | 7 | O | 6 |
| · | 52 | Ò | 13 | -16 | 0 | 1 | न |

 $y_1 = -22$ $y_2 = -48$ $\frac{6}{9} = \frac{2}{3} (para s_1)$ $\left(\frac{7}{-16} \rightarrow des condudo, es regadiros)$

| Base | 2 | 71 | Yz | Sı | 52 | R |
|------|---|---------|----|-------|----|---|
| Z | 1 | -130/9 | 0 | 48/9 | 0 | 0 |
| 5, | 0 | 11/4 | 1 | 1/4 | O | 6 |
| 52 | 0 | 173/144 | O | -16/q | 1 | न |

$$\frac{\frac{2}{3}}{\frac{11}{9}} = \frac{2}{3} \times \frac{9}{11} = \frac{18}{33} = \frac{6}{4} \text{ pmn } y^2$$

$$\frac{79}{48} = \frac{79}{48} \times \frac{149}{173} = \frac{11376}{8304} \approx 1.37 \text{ pma } 52$$

| Base | 2 | 71 | Yz | Sı | 52 | R |
|------|---|--------|--------|----|--------|---|
| Z | 0 | 286/11 | 176/11 | 0 | 154/11 | 7 |
| 5, | 1 | 4/11 | 7/11 | 0 | 6/4 | O |
| 52 | 6 | -173/y | 16/11 | 1 | 46/h | 0 |

Value Optimo: