ec14 x249236 8.1) Uz 3-8x +64 A. (x 7 - 36) a rankford. (1/2 -8+2 2x1) 1/2 = 6+22y1 1/2 2x+2y=36 x 4y=-56 4 2 21 2 - 2 ( 1 / 1 / 3 ) - 36 20 => 16 => 3 2 36 (2) (2) 25 = 36 => 1 = 36 + 5 (2) 7 = 36 => 1 = 36 = 6

12 Lxy 2 Lyx 20 LXX 2 LXX 2 2X Light 2 Lly 2 27 10 2 x 29 2 x 2 x 0 12,021  $\Delta 2 - 8\lambda \left(x^2 + y^2\right)_2 - 8.36\lambda_2 - 288\lambda$   $\lambda_1 = 2 - 288 = \frac{5}{6} < 0 \quad \text{min}$ 

12-5=> -288 (-5) >0 max THE RESERVE TO SERVE TO SERVE



$$\frac{2}{2} - \frac{2}{4} \left( \frac{64}{4} + \frac{32}{4} \right) - \frac{2}{4} \cdot \frac{12}{4} \cdot \frac{32}{4} + \frac{32}{4} \frac{12 \cdot 2}{4} \times \frac{1}{4} - \frac{32}{4} \cdot \frac{2}{4} \left( \frac{2}{4} + \frac{2}{4} \right) = \frac{2}{32} \cdot \frac{2}{4} \cdot \frac{2}{4$$

$$1 = -\frac{1}{2}$$
 Max  $1 = -\frac{1}{2}$   $1 = 0$   $1 = -\frac{1}{2}$   $1 = -\frac{1}{2}$