Problem set 3	Problem do
Carigory Samuel ZAGBAJOU	$a) + + = u \left((n + x_0)^2 + (y + y_0)^2 \right)$
	=) 0 = a x - 2 a no x + a no + a y - 2 ay y + ay + to -t
	=) (ax - laron + ay - dagog - t) = -(totago + axo).
	= 1 (an - La no k + a) - Layoy - t) = 1 (to +ayo + tano)
	We can write that as: $c_1 x^2 + c_1 x + c_3 y^2 + c_4 y + c_7 + c_1 x$ with: $c_1 = -\omega / (x_0 + a_3 y^2 + a_4 x_0^2)$ $c_2 = -\alpha / (x_0 + a_3 y^2 + a_4 x_0^2)$ $c_3 = -\alpha / (x_0 + a_3 y^2 + a_4 x_0^2)$ $c_4 = -2 a_3 y_0 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_5 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_6 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_7 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_8 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_9 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_9 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$ $c_9 = -2 a_3 / (x_0 + a_3 y^2 + a_3 x_0^2)$
	Then c $q = -c_1/c_5$ $\cdot (1/2a) = (-c_1/c_5)(-c_1/c_4) = (-c_1/2c_4)$ $y_0 = (c_1/c_5)(1/2a) = -(c_1/2c_4)$ $y_0 = (c_1/c_5)(1/2a) = -(c_1/2c_4)$ $y_0 = (c_1/c_5)(1/2a) = -(c_1/2c_4)$ $y_0 = (c_1/2c_4)(-c_1/2c_4)$ $y_0 = (c_1/2c_4)(-c_1/2c_4)$ $y_0 = (c_1/2c_4)(-c_1/2c_4)(-c_1/2c_4)$ $y_0 = (c_1/2c_4)(-c_1/2c_$
	b) See attached picture
	c) With NE naix we have N = Am - b, that we put as a disgnal matrix. We can use that to walk late the "left band ride" matrix and the compute the university on a

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