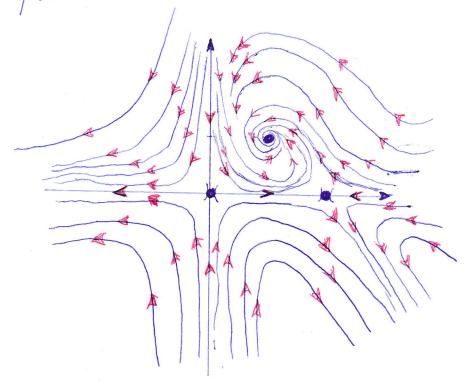
I.1.
$$\begin{cases} \dot{x} = 2x - x^2 - xy \\ \dot{y} = -y + xy \end{cases}$$

has 3 equilibria: (0,0), (2,0), (1,1).

After wing Maple in Lab5, it seems that its phase portrait looks like:



$$y = 0 \Rightarrow)x = 2x - x^{2} \Rightarrow x = x(2-x)$$

$$0 = 0$$

$$0 = 0$$

$$y = 0 + 0$$

$$y = 0$$

$$y$$

$$x = 0$$
 $\Rightarrow \begin{cases} 0 = 0 \\ \dot{y} = -\dot{y} \end{cases} + 0 = --$