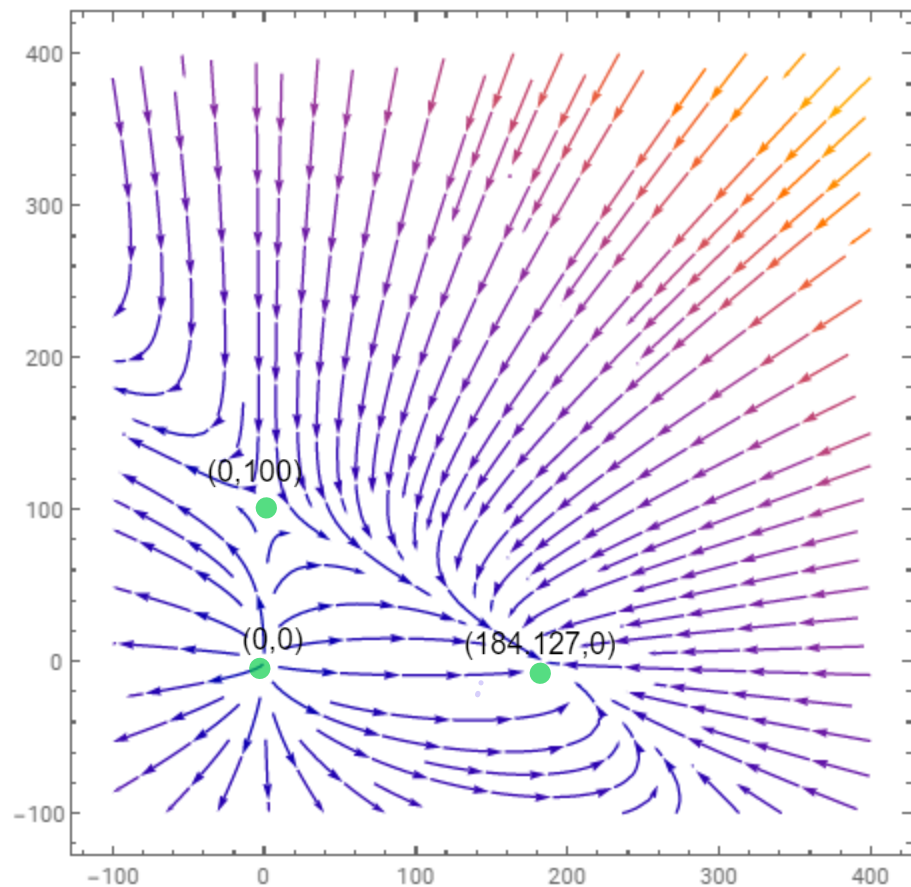


In[6]:= (* Problem 1 - c)

$$\frac{dH}{dt} = H(0, 1 - 0, 0.001(C + H))$$

$$\frac{dC}{dt} = C(0.2072 - 0, 0.001125(C + H)) \quad *)$$

StreamPlot[{C (0.2072 - 0.001125 (C + H)), H (0.1 - 0.001 (C + H))}, {C, -100, 400}, {H, -100, 400}]



In[7]:= (* Problem 1 - c)

$$\frac{dH}{dt} = H(\theta, 1 - \theta, 0.001(C + H))$$

$$\frac{dC}{dt} = C(0.2072 - \theta, 0.001125(C + H)) \quad *)$$

StreamPlot[{C (0.2072 - 0.001125 (C + H)), H (0.1 - 0.001 (C + H))}, {C, 0, 400}, {H, 0, 400}]

Out[7]=

