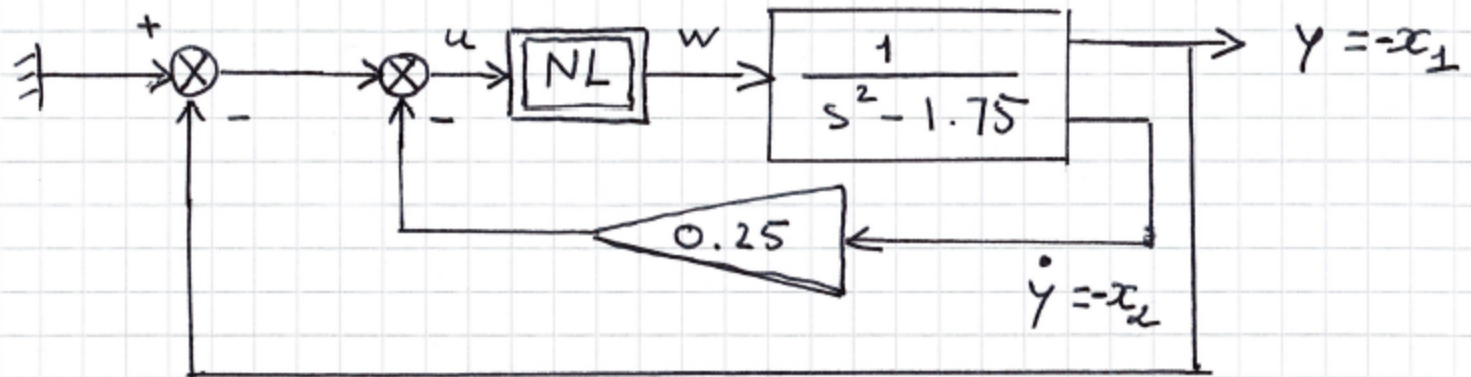
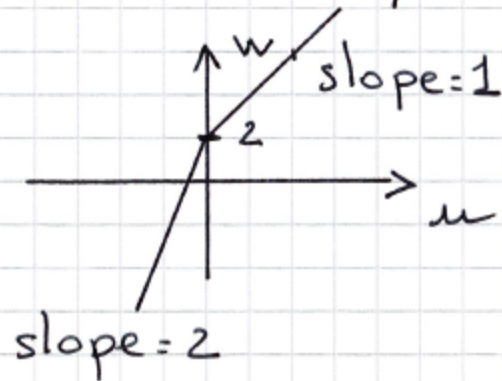


EXERCISE

Consider the following system:



where the nonlinearity is given by:



Objectives:

- Plot de phase portrait (x_1, x_2)
- Characterize the stability domain.