In first cycle, pseudoinput $x_2 = -x_1 \sin(x_1)$.

Add and subtract at the input of integrator x_1 (incorrect) ✗

Add and subtract at the input of subsystem (1) (correct) ✓
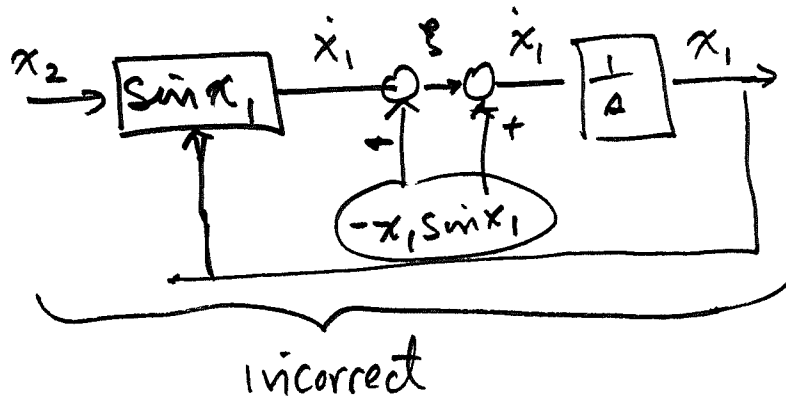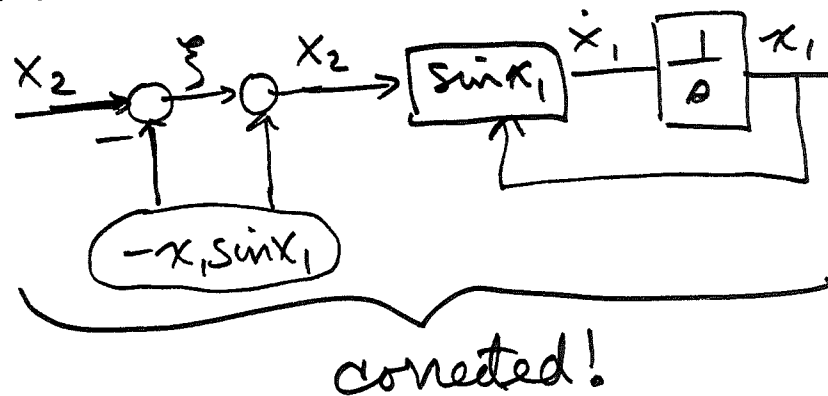

incorrect

Diagram sketched in class is incorrect.

Corrected diagram

corrected!

$$\xi = x_1 \sin x_1 + x_2 \quad \leftarrow \text{correct as given in class}$$