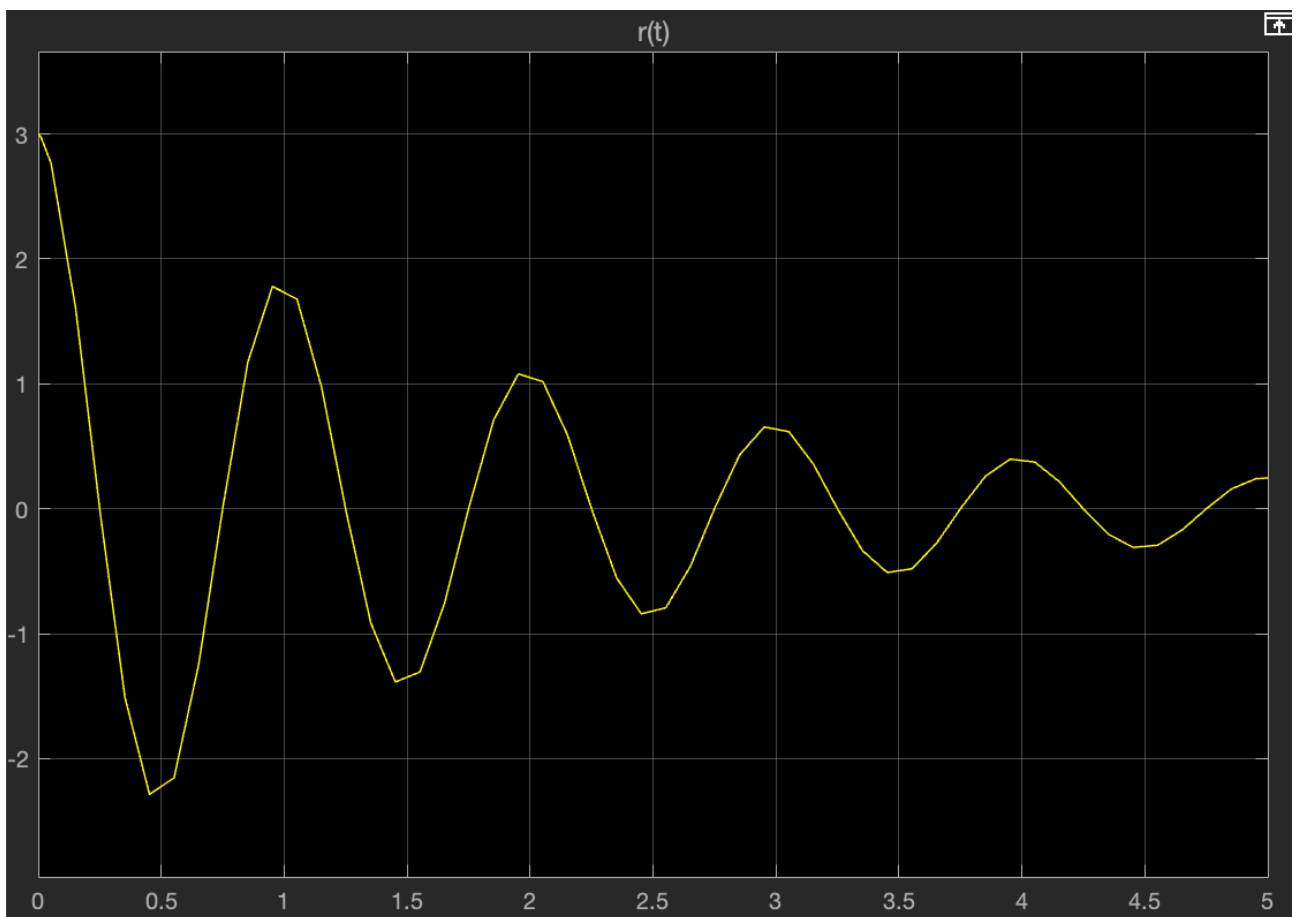# Report

Homework 2

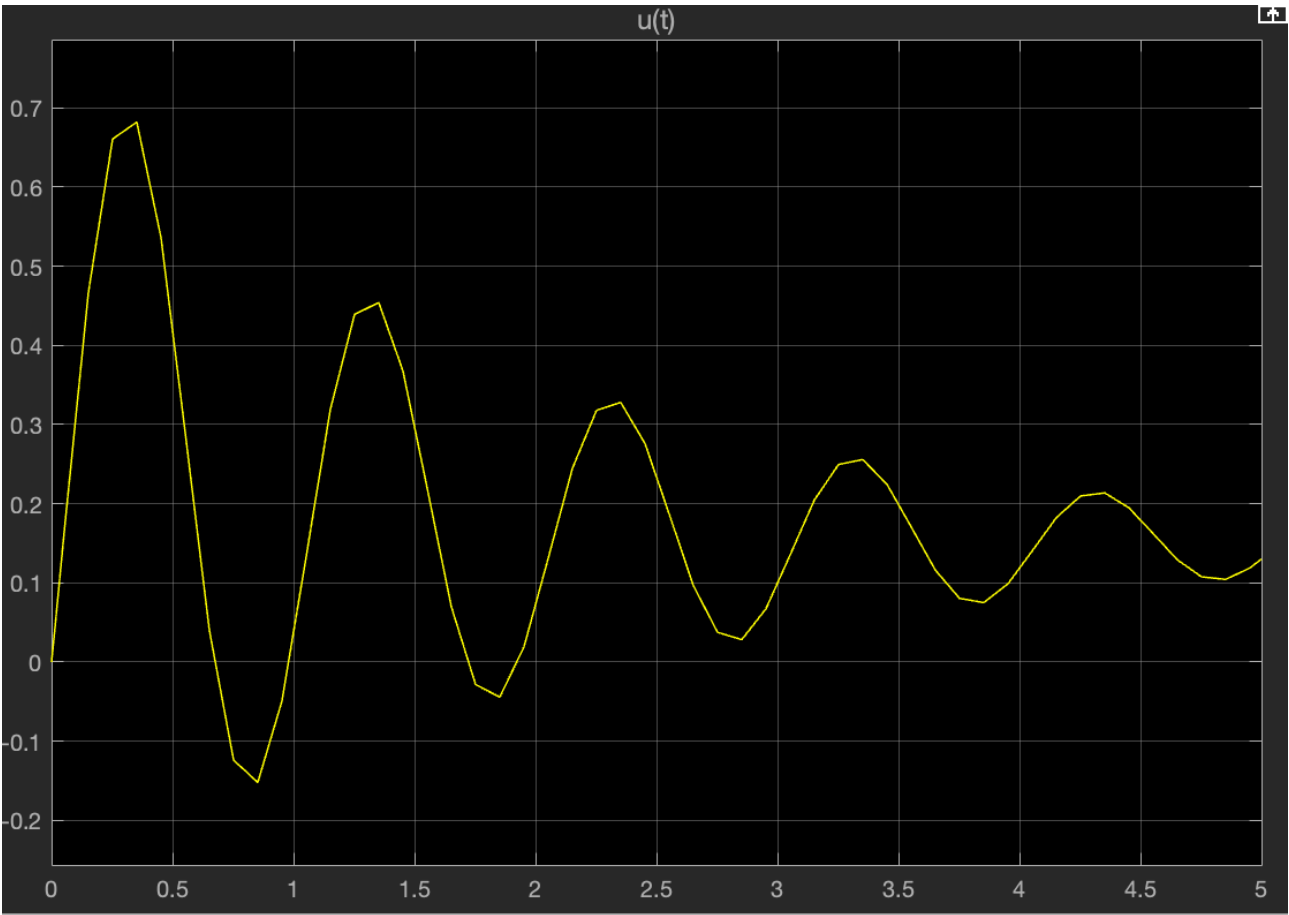Shiva vafadar
810899074

1.

r(t)=3e^(-.5t)cos(2pi*t)
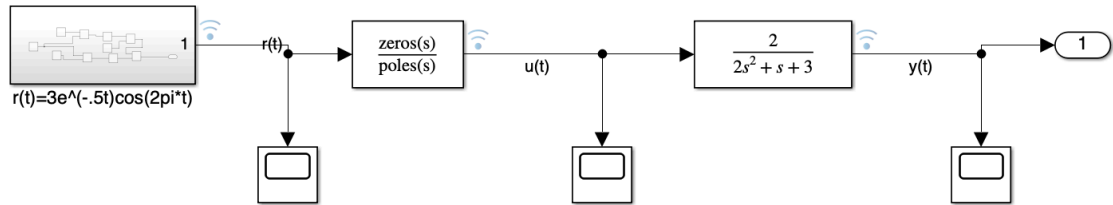
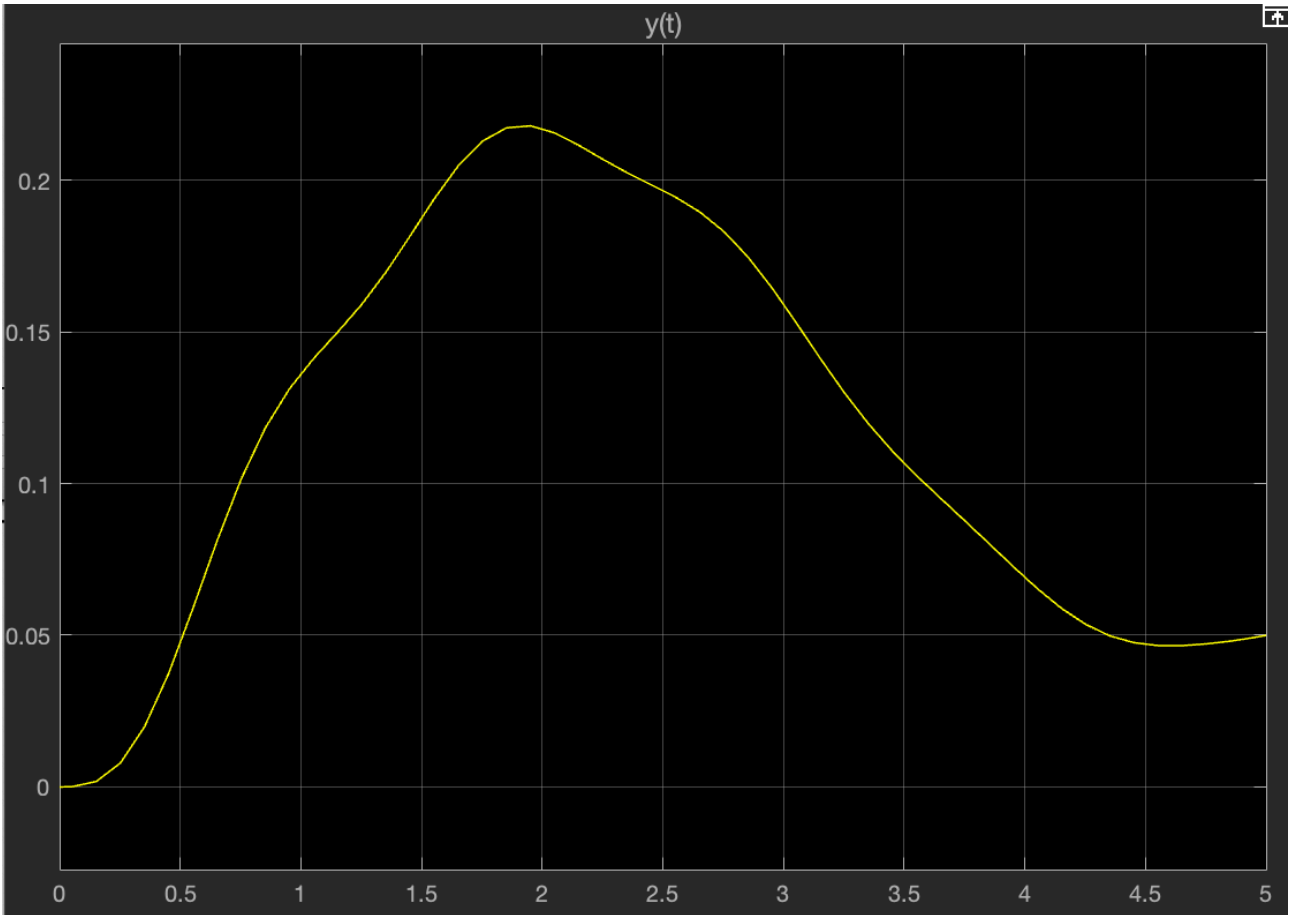I used this setup in simulink for Q1 and I arranged a scope for each output desired.
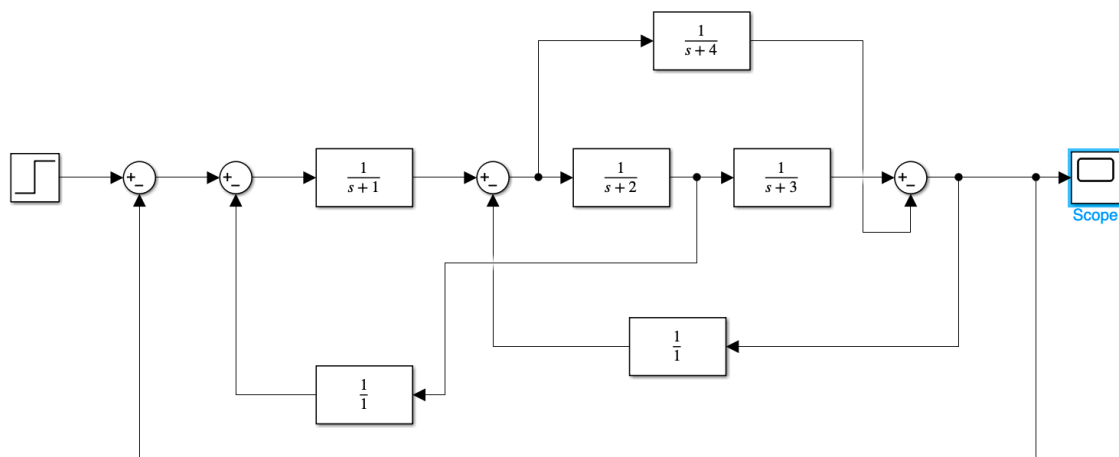
this is the output for r(t)

This is the output for u(t)

This is the output for y(t)

2.

So this is the Q4 block diagram in simulink. Everything is clear and I located a scope at the end to see the desired result.
Here I gave step function as input and here is the output for it :