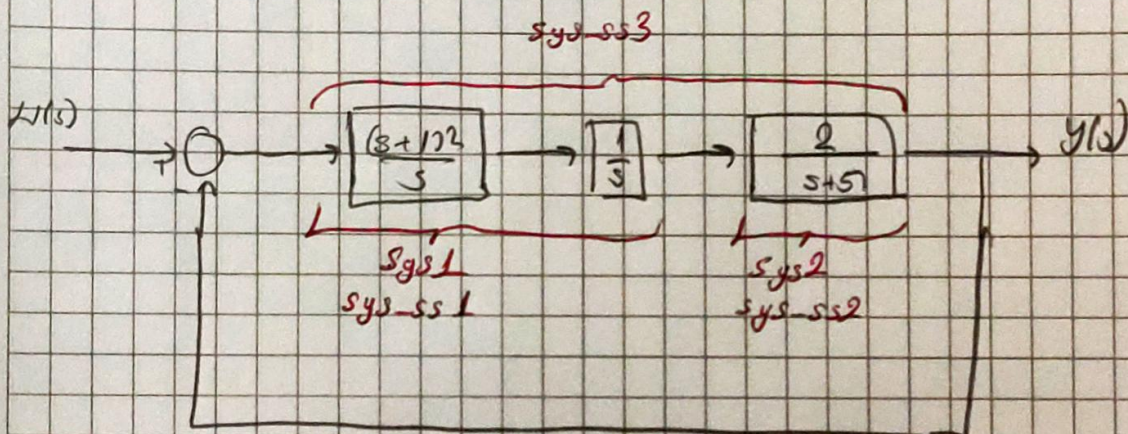


(a) - closed-loop system



(b) - ~~Block~~ Redrawn closed-system

```

num1 = [1 2 1]; den1 = [2 1 0 0]; sys1 = tf(num1, den1);
num2 = [2]; den2 = [1 5]; sys2 = tf(num2, den2);
sys-ss1 = ss(sys1);
sys-ss2 = ss(sys2);
sys-ss3 = series(sys-ss1, sys-ss2);
sys-ss = feedback(sys-ss3, [1 0])

```

```

sys_tf = tf(sys-ss)

```