

Test with $r_1=2$, $r_2=2$, $c_1=1$, $c_2=1$, $V=1$:

$K_1 = 2.0$, $K_2 = 2.0$

At $t=1$:

$x_2(1) = 0.5$

$x_1(1) = 0.5$