#### Console

# For n = 0

K11 = -0.5 K12 = 0.5 K22 = 1.125 Z1 = -0.1875 K21 = -0.09375 Y1 = 0.703125

### For n = 1

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K11 = -0.09375 K12 = 0.247192 K22 = 0.451552 Z2 = 0.161872 K21 = 0.080936 Y2 = 0.696718

## For n = 0

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K11 = -0.75 K12 = 0.5 K22 = 1.125 Z1 = -0.6875 K21 = -0.34375 Y1 = 0.453125

### For n = 1

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K11 = -0.34375 K12 = 0.102661 K22 = 0.154449 Z2 = -0.558945

### For n = 0

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K11 = -0.58855

K12 = 0.5

K22 = 1.125

Z1 = -0.3646

K21 = -0.1823

Y1 = 0.614575

### For n = 1

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K11 = -0.1823

K12 = 0.188851

K22 = 0.322747

Z2 = -0.108801

K21 = -0.0544005

Y2 = 0.496225

Hence the solution is y(0) = 1, y(0.5) = 0.6146 and y(1) = 0.5