Example 4.6

@ check Jury test condition

Solution Jury Stability table

Row	z^0	z^1	z^2	z^3
1	0.2	-0.1	-1.1	1
2	1	-1.1	-0.1	0.2
3	-0.96	1.08	-0.12	

$$b_0 = \begin{vmatrix} 0.2 & -0.1 \\ 1 & -1.1 \end{vmatrix} = -0.12 \qquad b_1 = \begin{vmatrix} 0.2 & -1.1 \\ 1 & -0.1 \end{vmatrix} = 1.08$$

(不用算)

$$b_2 = \begin{vmatrix} 0.2 & 1 \\ 1 & 0.2 \end{vmatrix} = -0.96$$

condition 1. $|a_3| = 0.2 < 1 = a_1 \Rightarrow$ OK.

2. $P(1) = 0.2 - 0.1 - 1.1 + 1 = 0 \Rightarrow$ at least one root at $z=1$

3. $P(-1) = -1 - 1.1 + 0.1 + 0.2 = -1.8$ (coln = 3 odd)

$\Rightarrow$ OK

4. $|b_2| = 0.96 > 0.12 = |b_0| \Rightarrow$ OK.

Critically stable