

v4.

$$\delta > 0$$

$$A = \begin{pmatrix} 1 & 10 \\ \delta & 1 \end{pmatrix}$$

$$(1-\lambda)^2 - 10\delta = 0$$

$$(\lambda-1)^2 = 10\delta$$

$$\lambda = 1 \pm \sqrt{10\delta}$$

~~and~~

$$L(\delta) = 1 + \sqrt{10\delta}$$

$$K(\delta) = (1 + \sqrt{10\delta})' = 0 + \frac{10}{2\sqrt{10\delta}} = \frac{5}{\sqrt{10\delta}}$$

$$\delta > 10$$

$$\delta = 0, 1$$

$$K = 0,5$$

$$K = 5$$