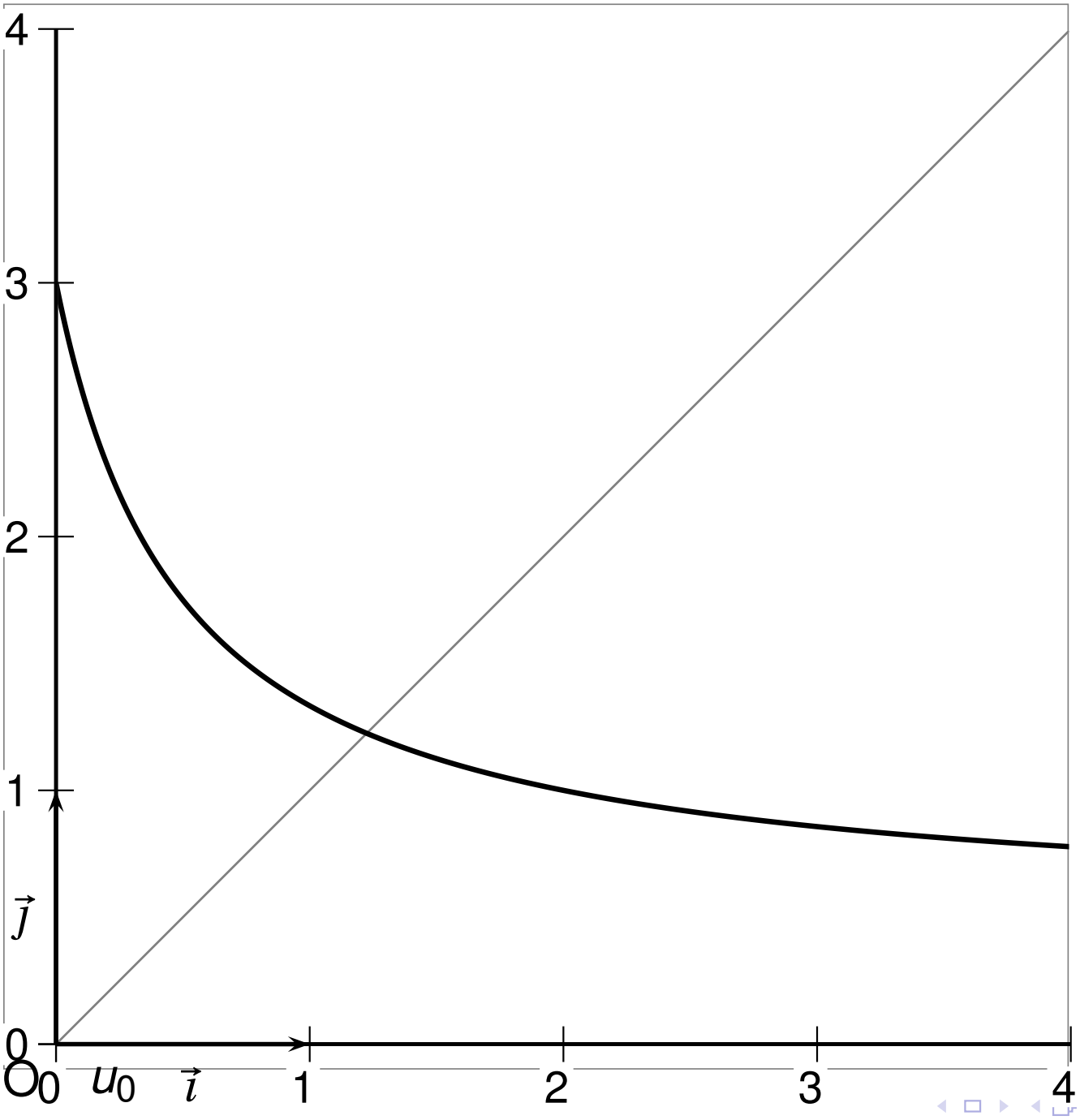
Construction des termes d'une suite définie par récurrence

On considère la suite définie par récurrence par

$$\begin{cases} u_0 = 0,2 \\ u_{n+1} = \dfrac{u_n + 3}{2u_n + 1} \end{cases}$$

On trace la courbe représentative de la fonction $x \mapsto \dfrac{x+3}{2x+1}$ puis la droite d'équation $y = x$.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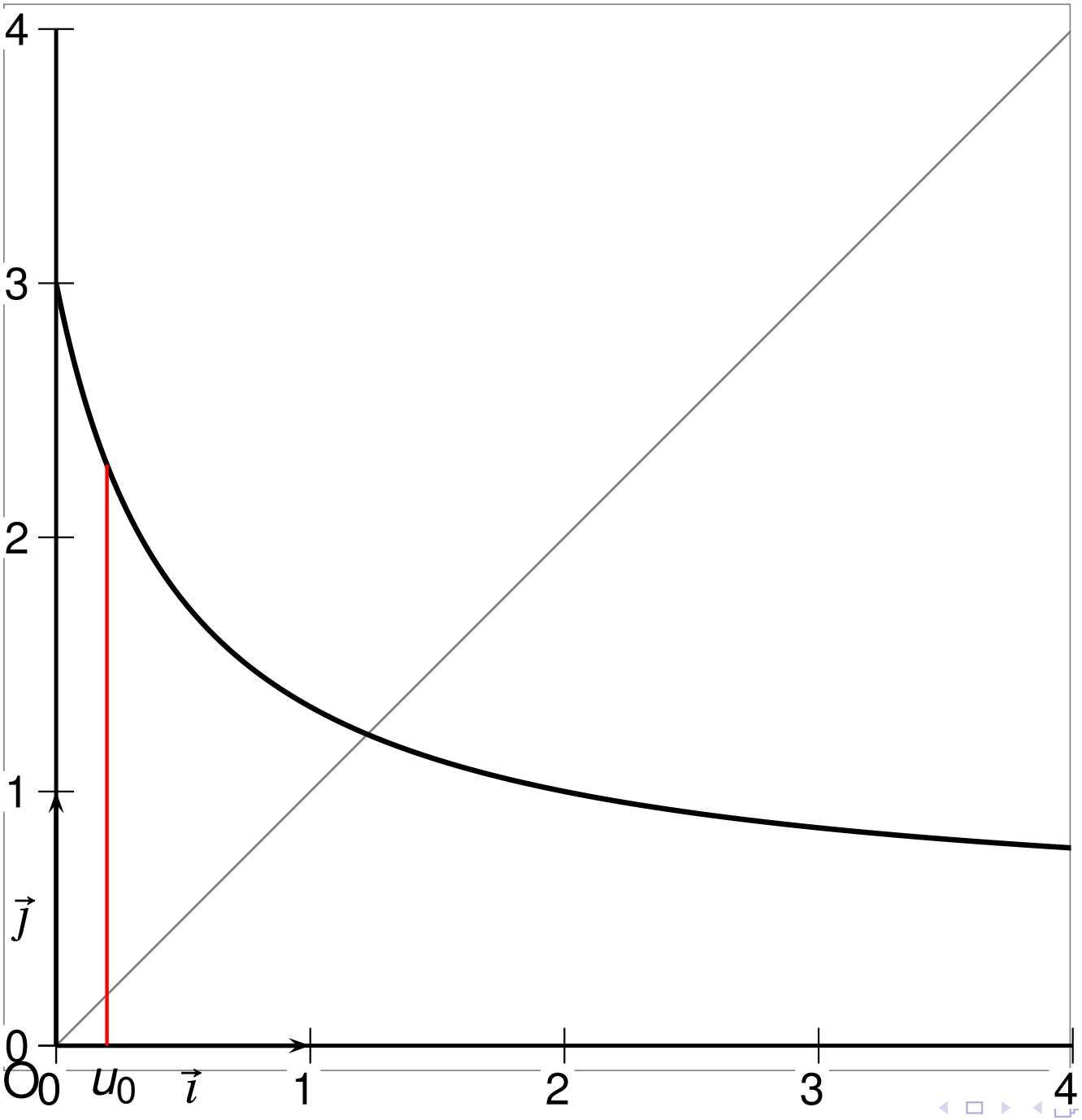
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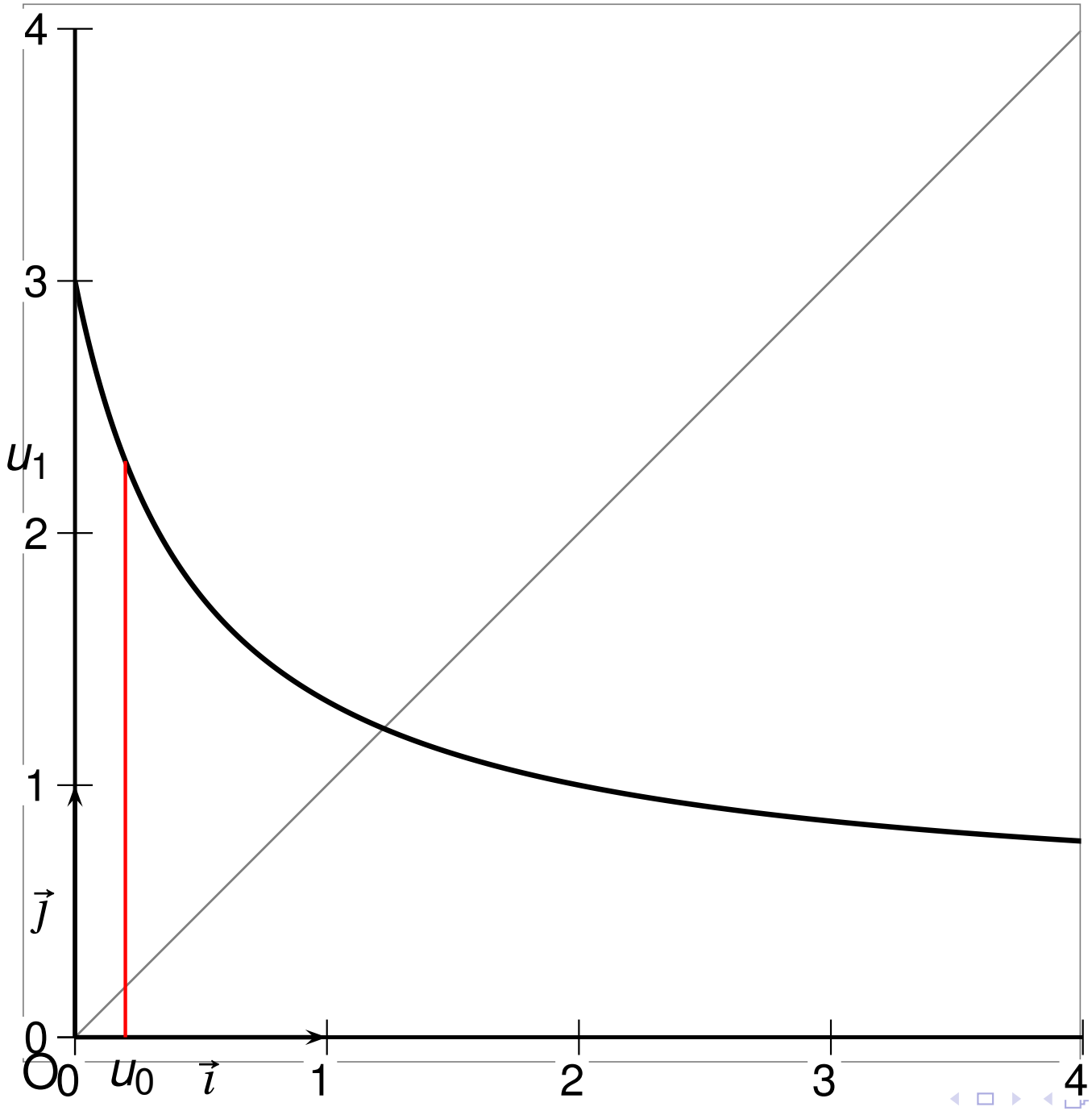
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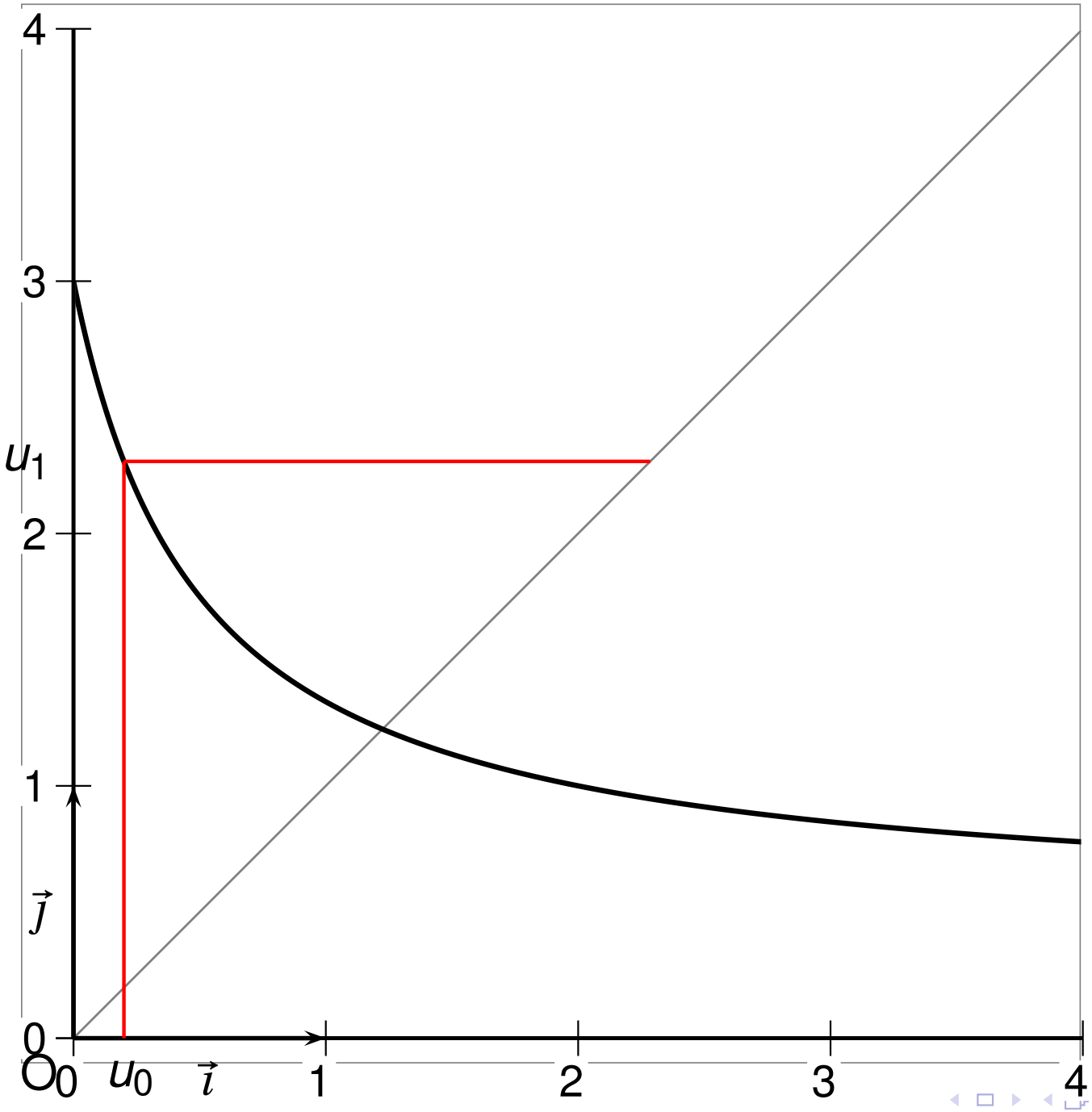
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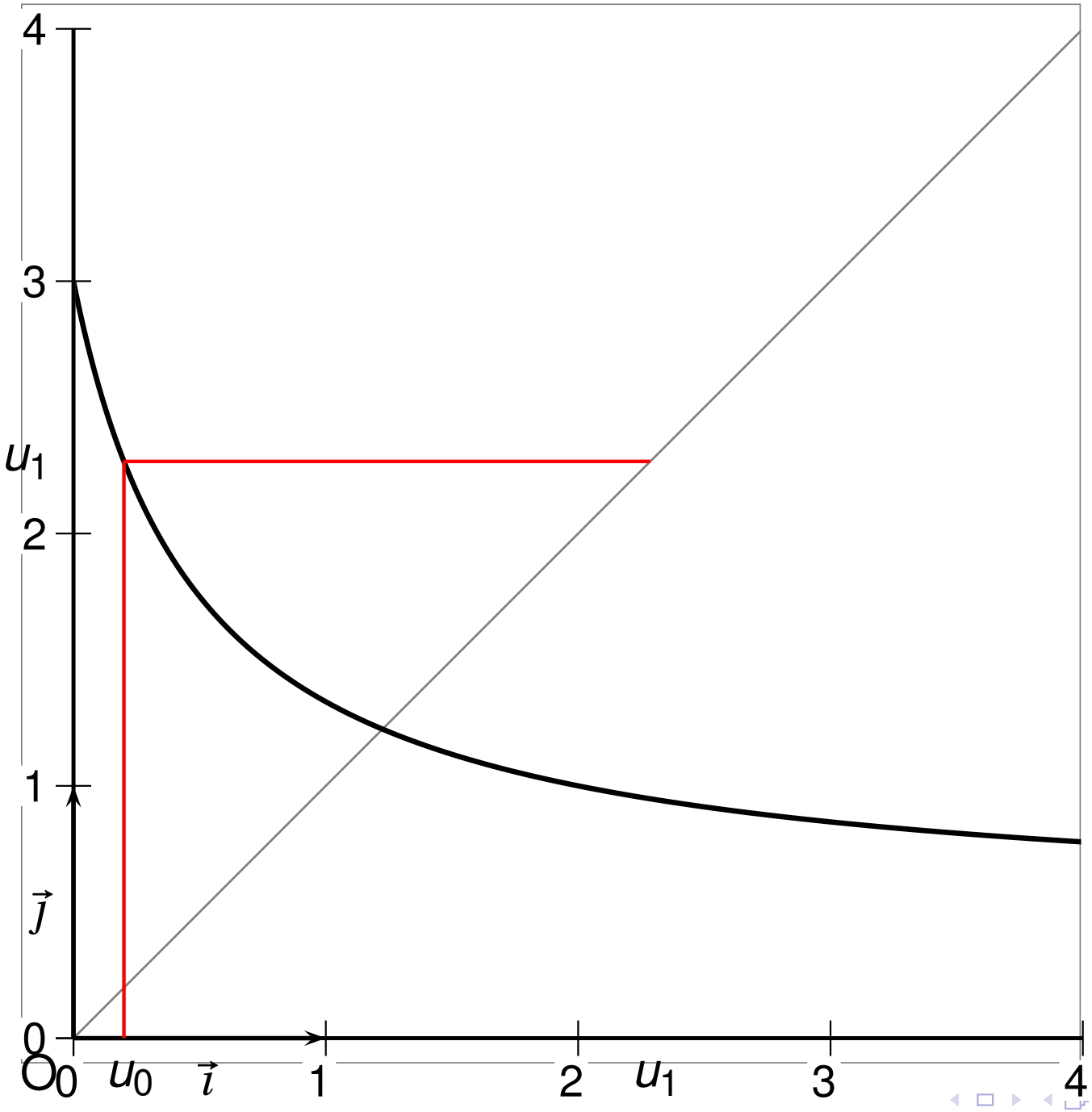
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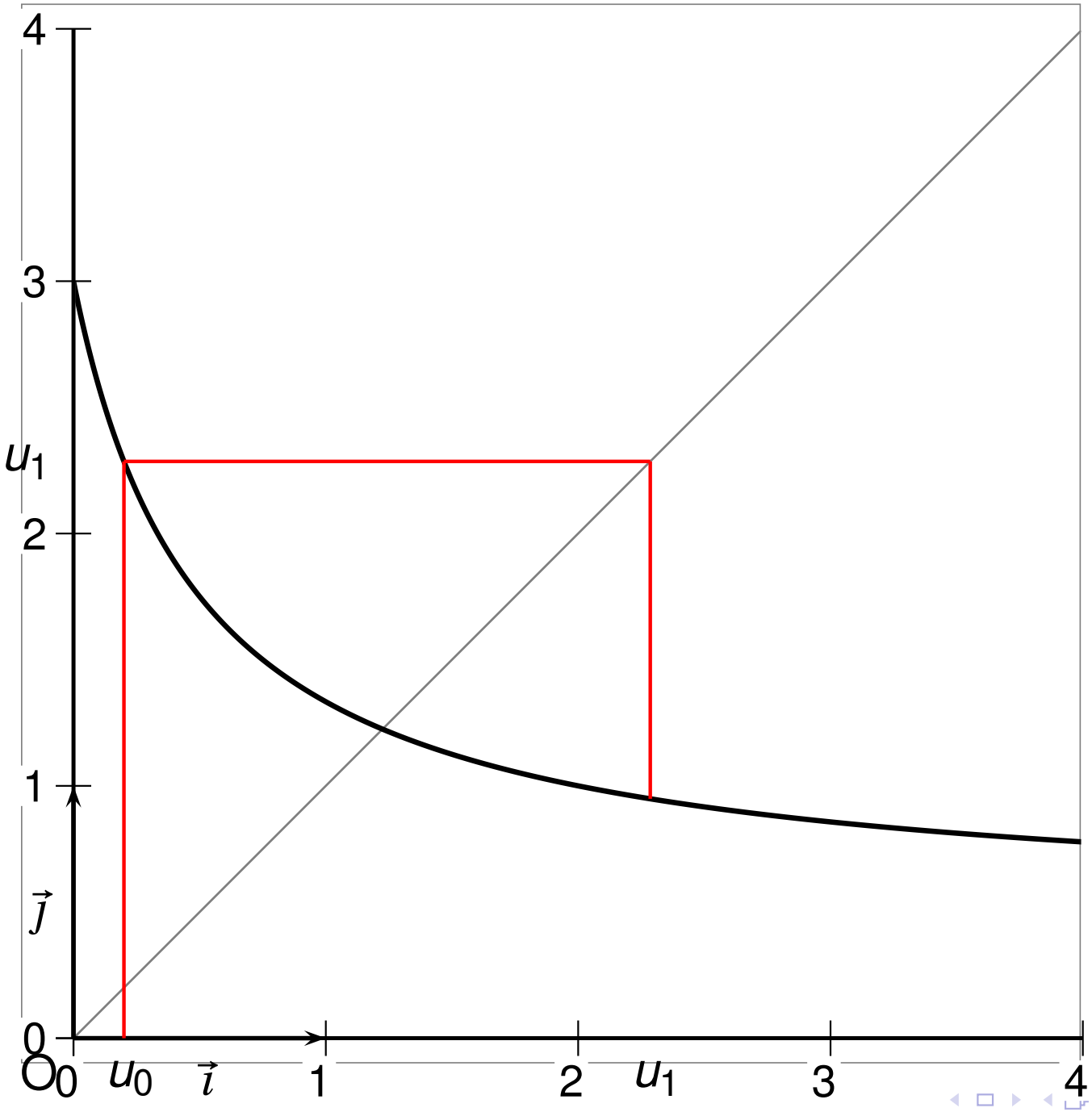
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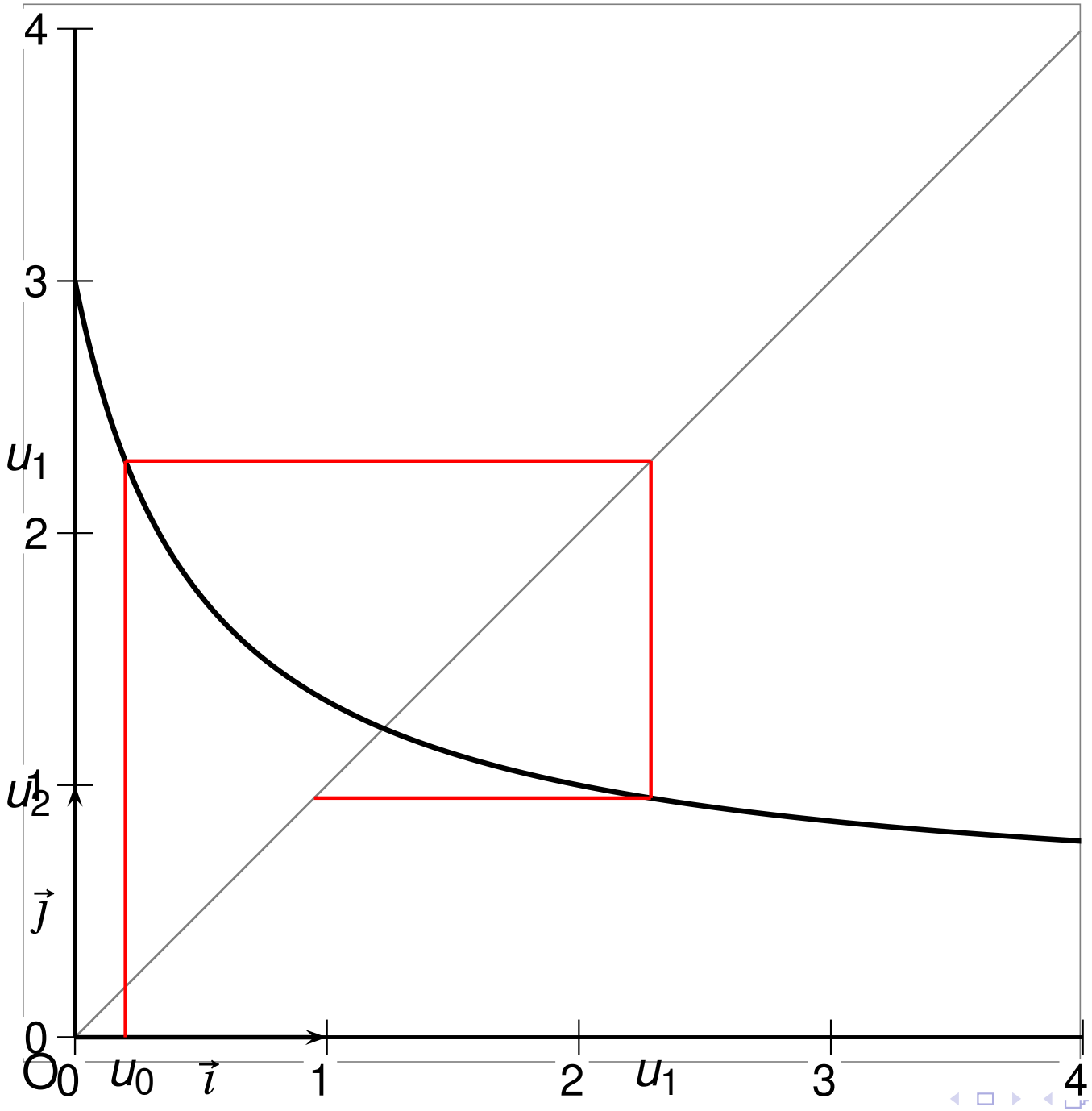
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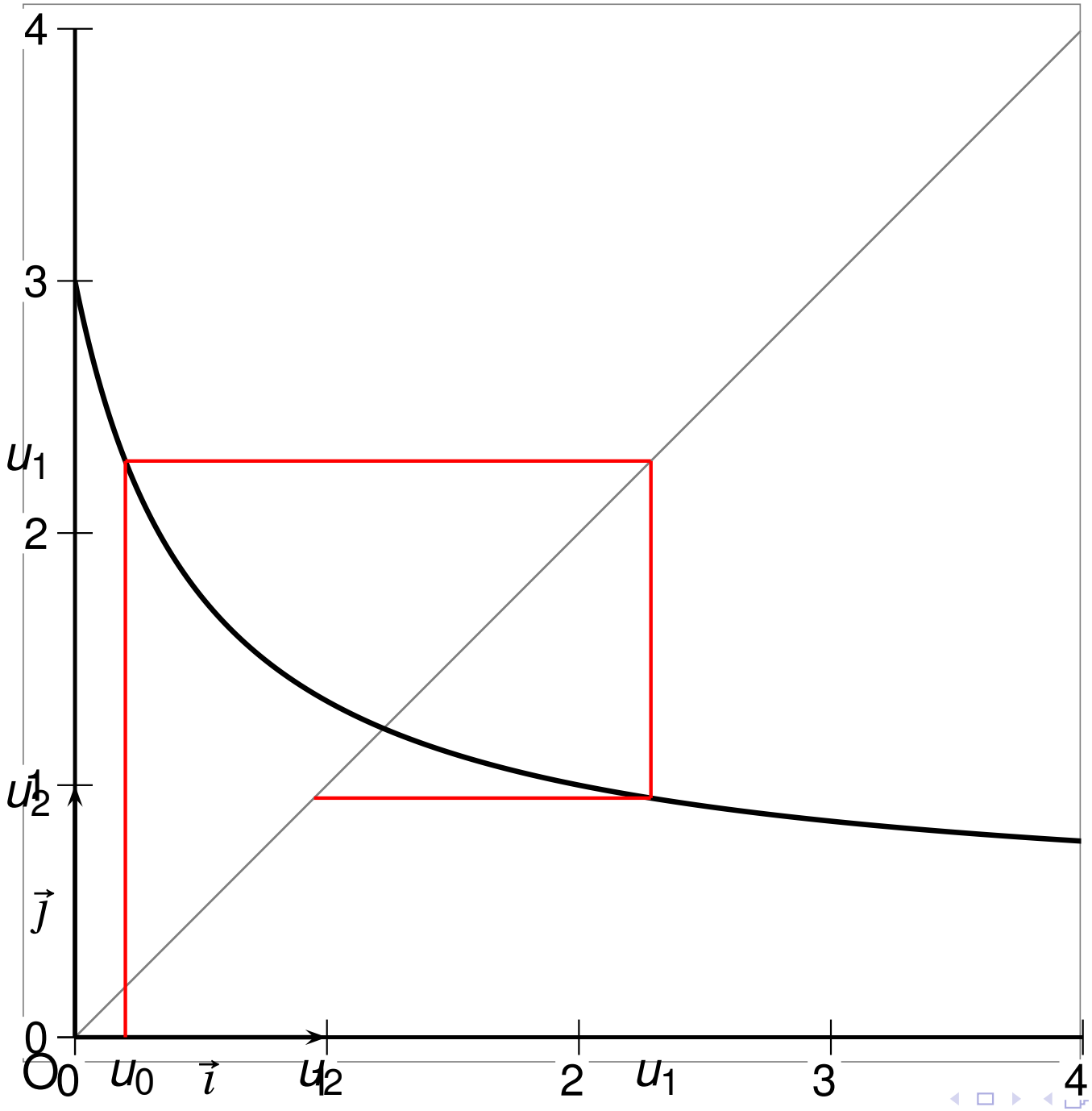
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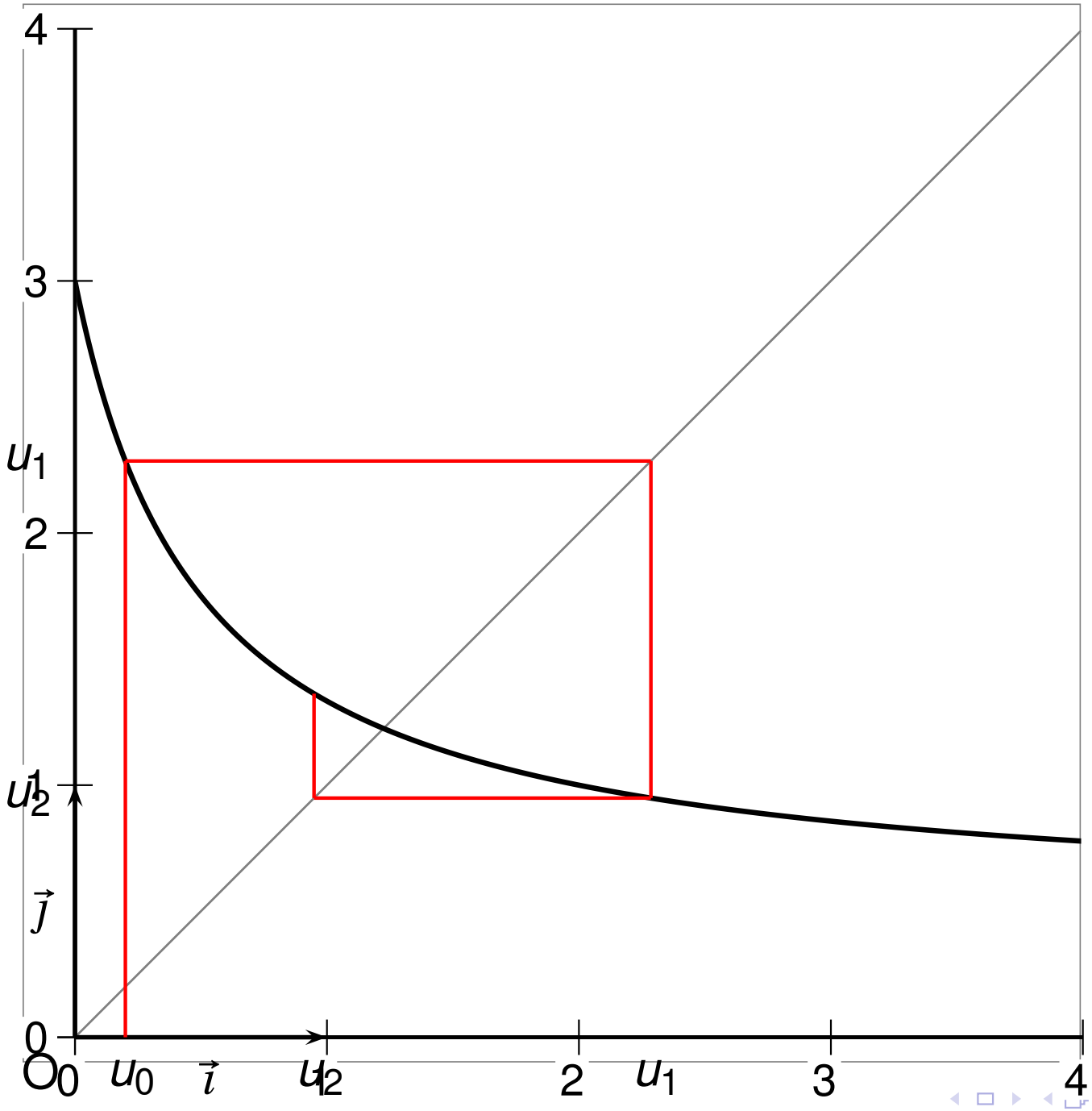
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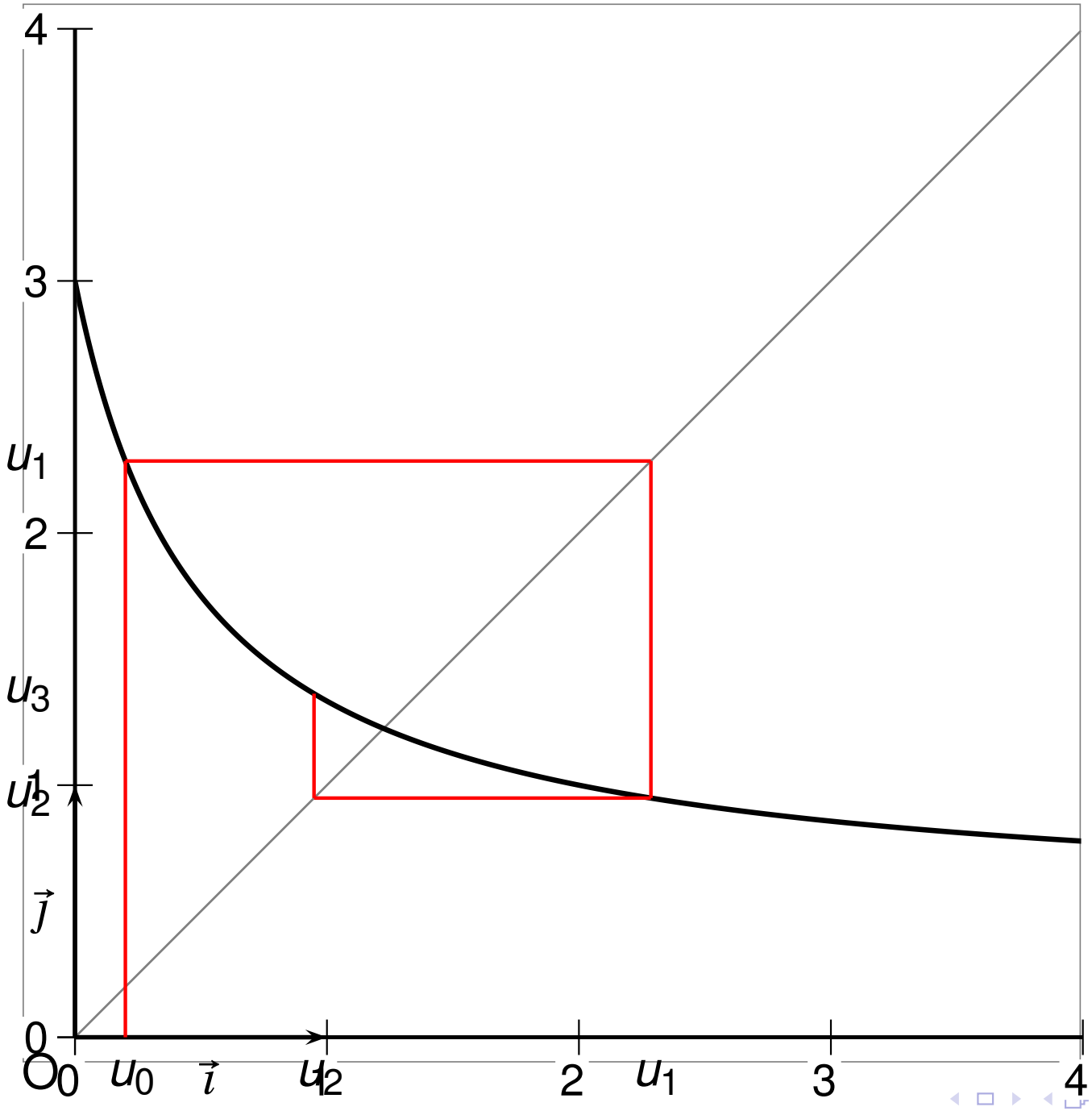
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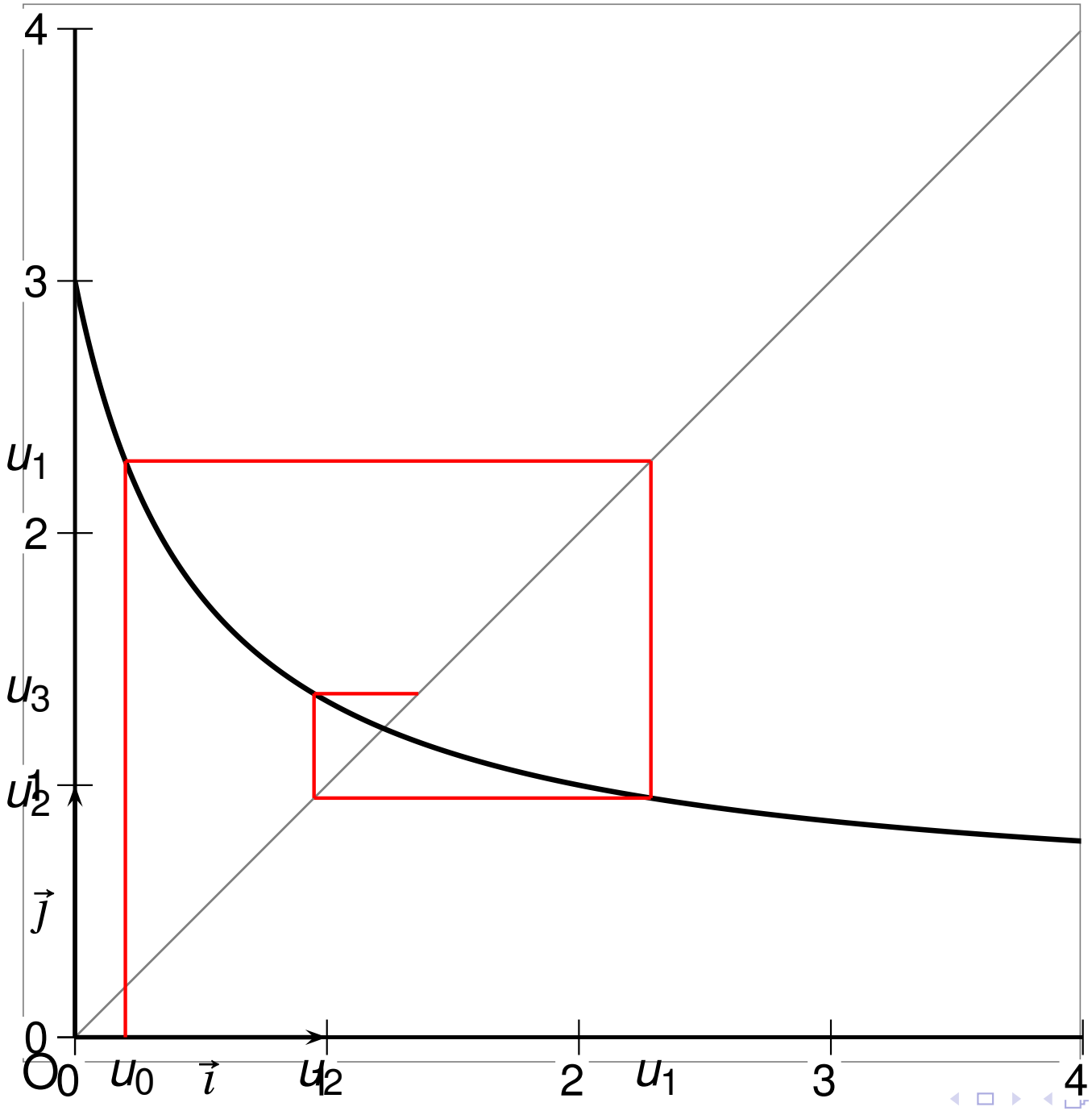
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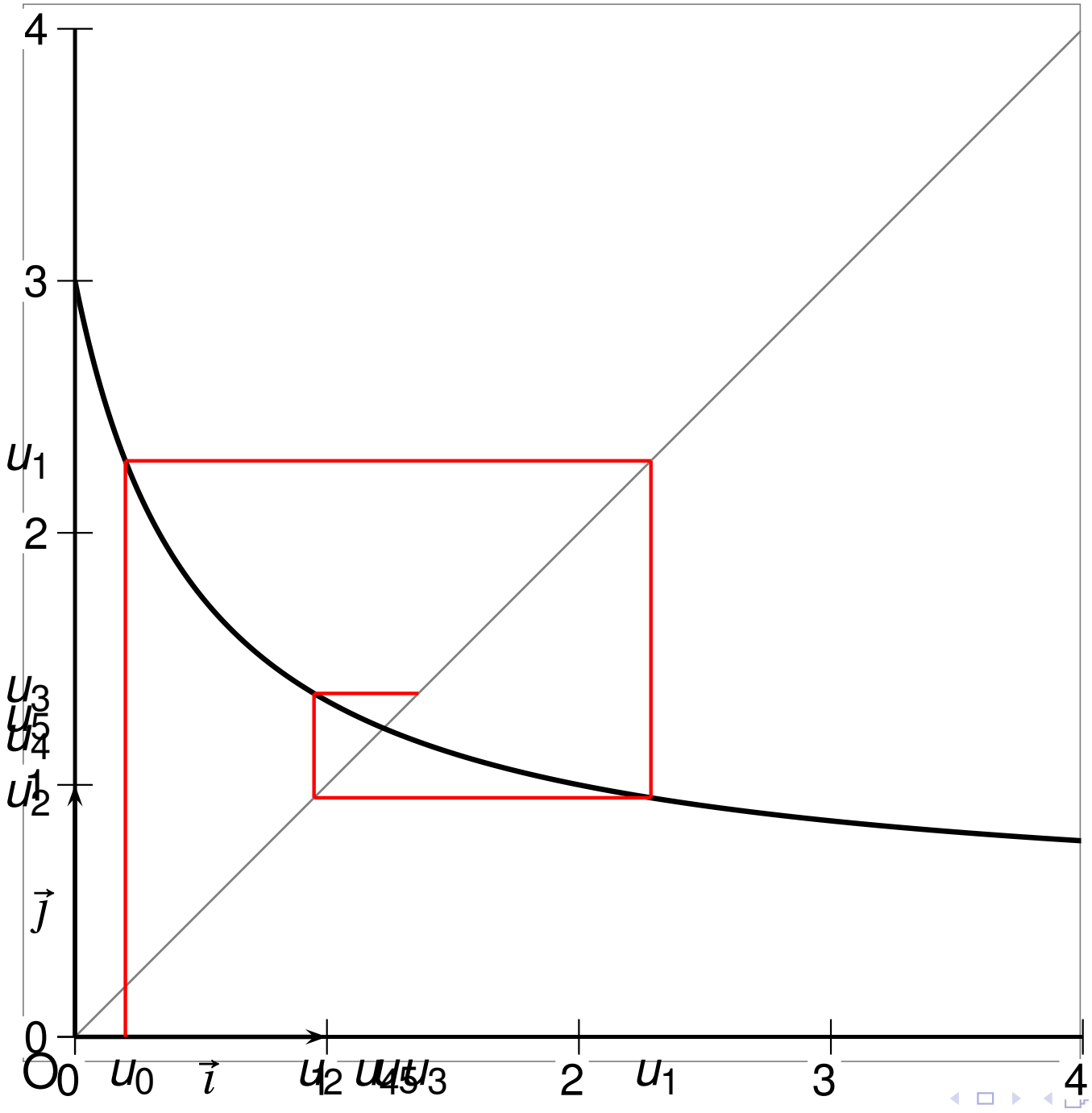
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