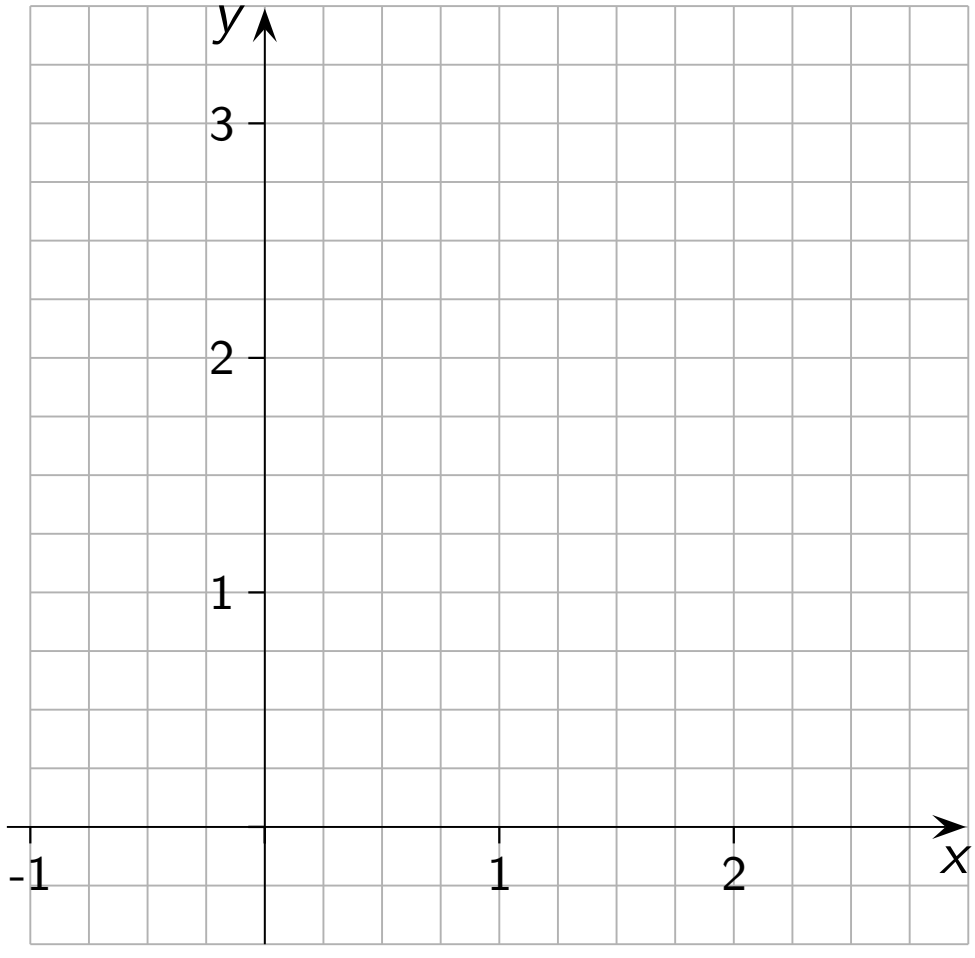
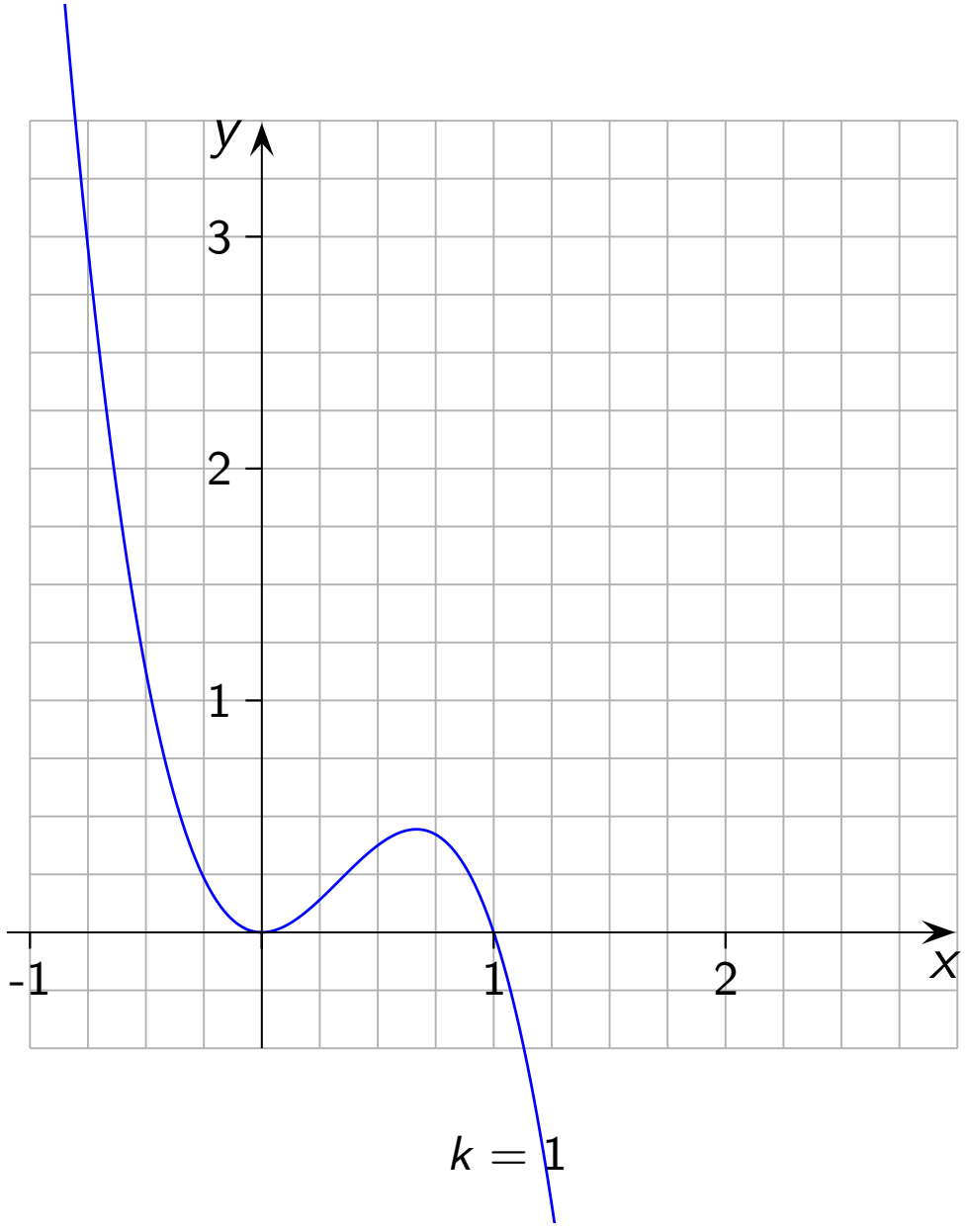
Funktionenschar

G.Roolfs

$f_k(x) = 3x^2 - \frac{3}{k}x^3$



$f_k(x) = 3x^2 - \frac{3}{k}x^3$



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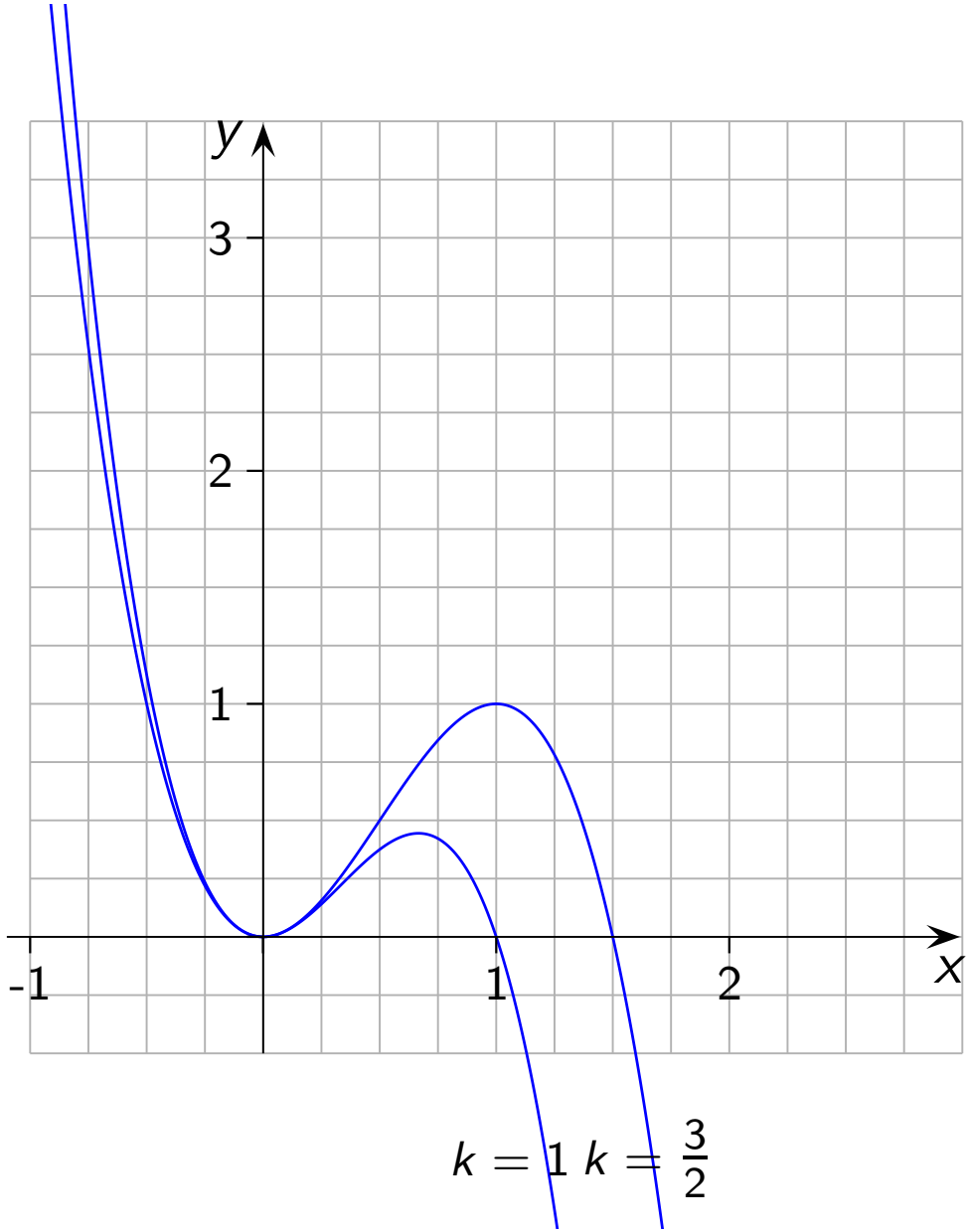

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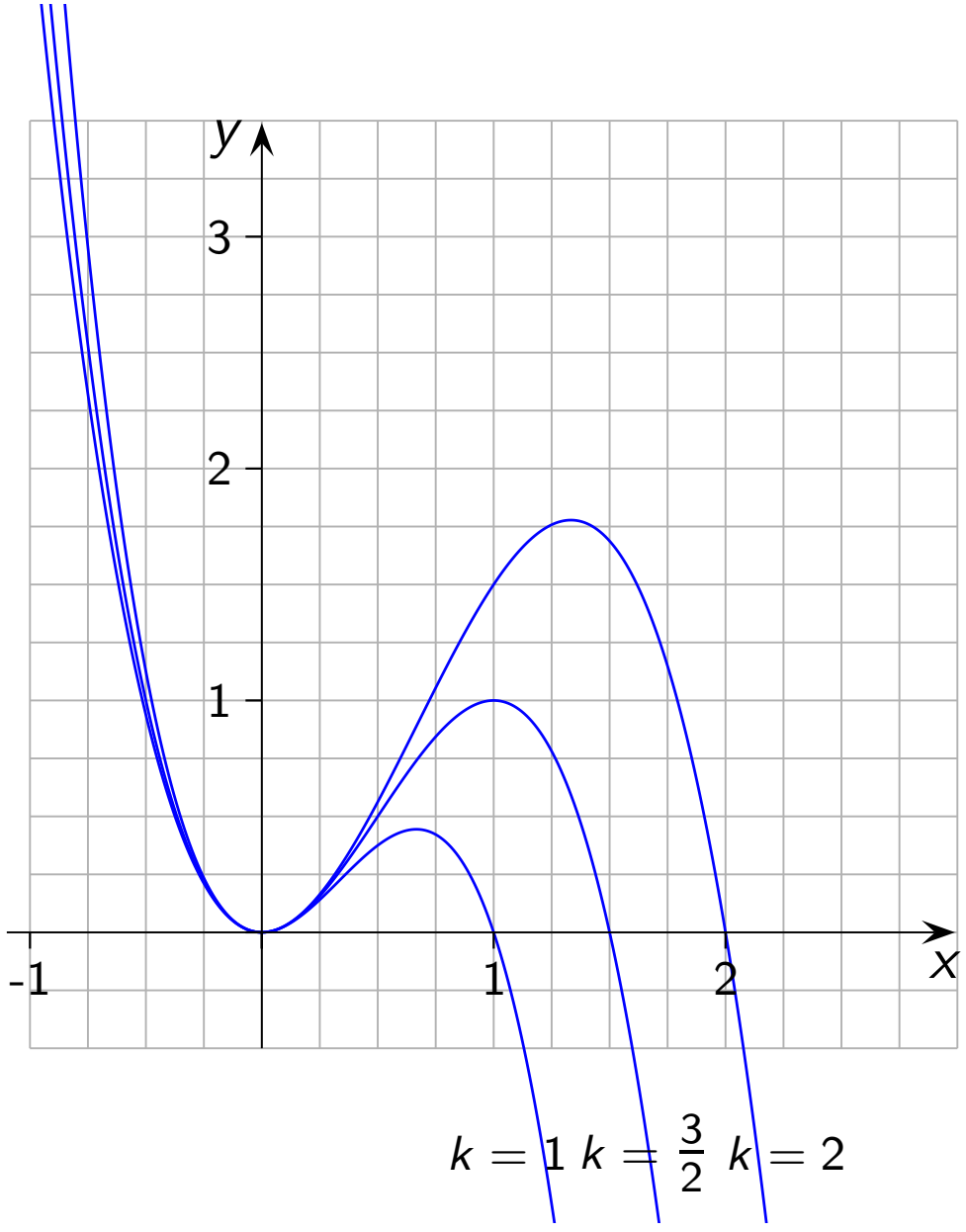

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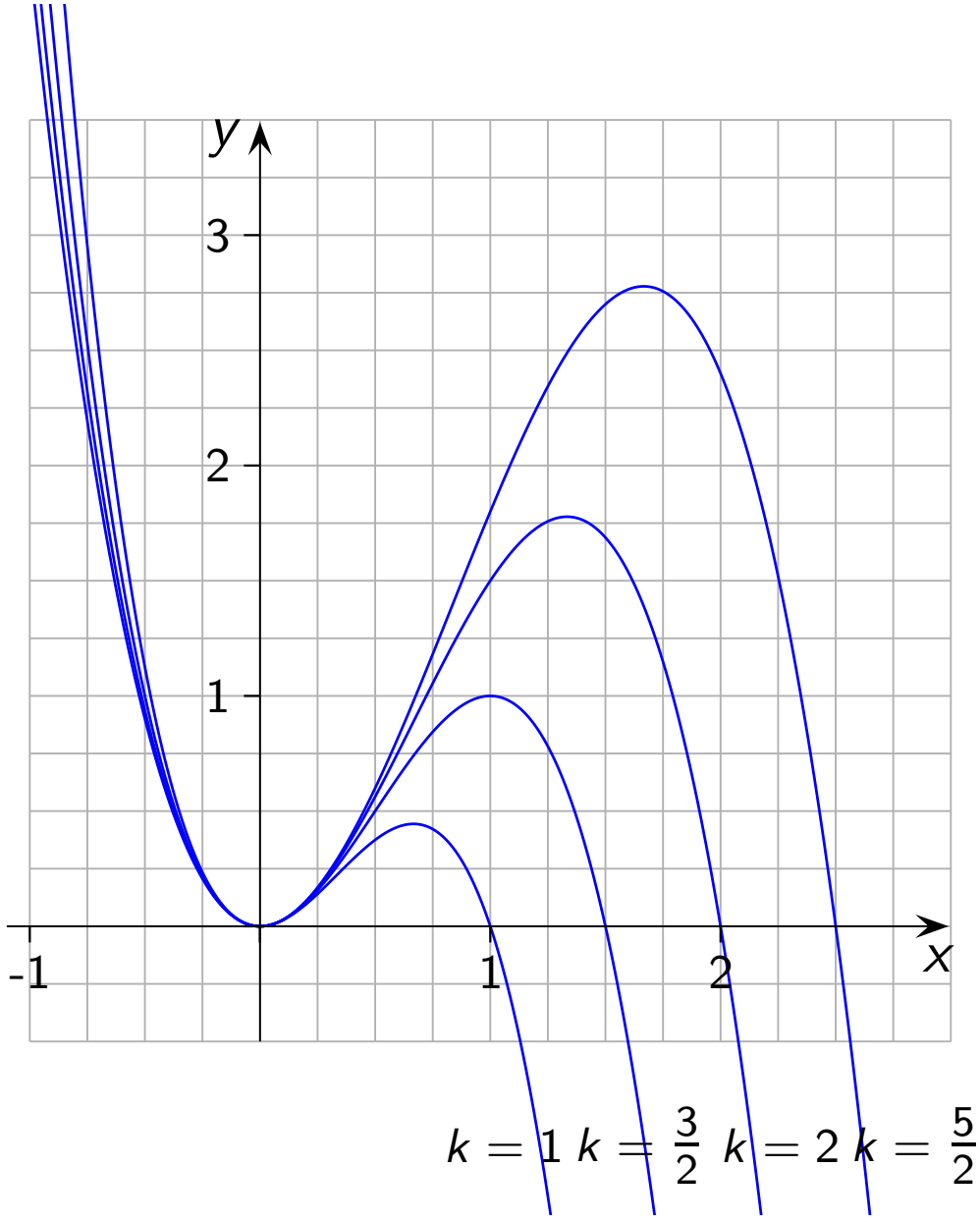

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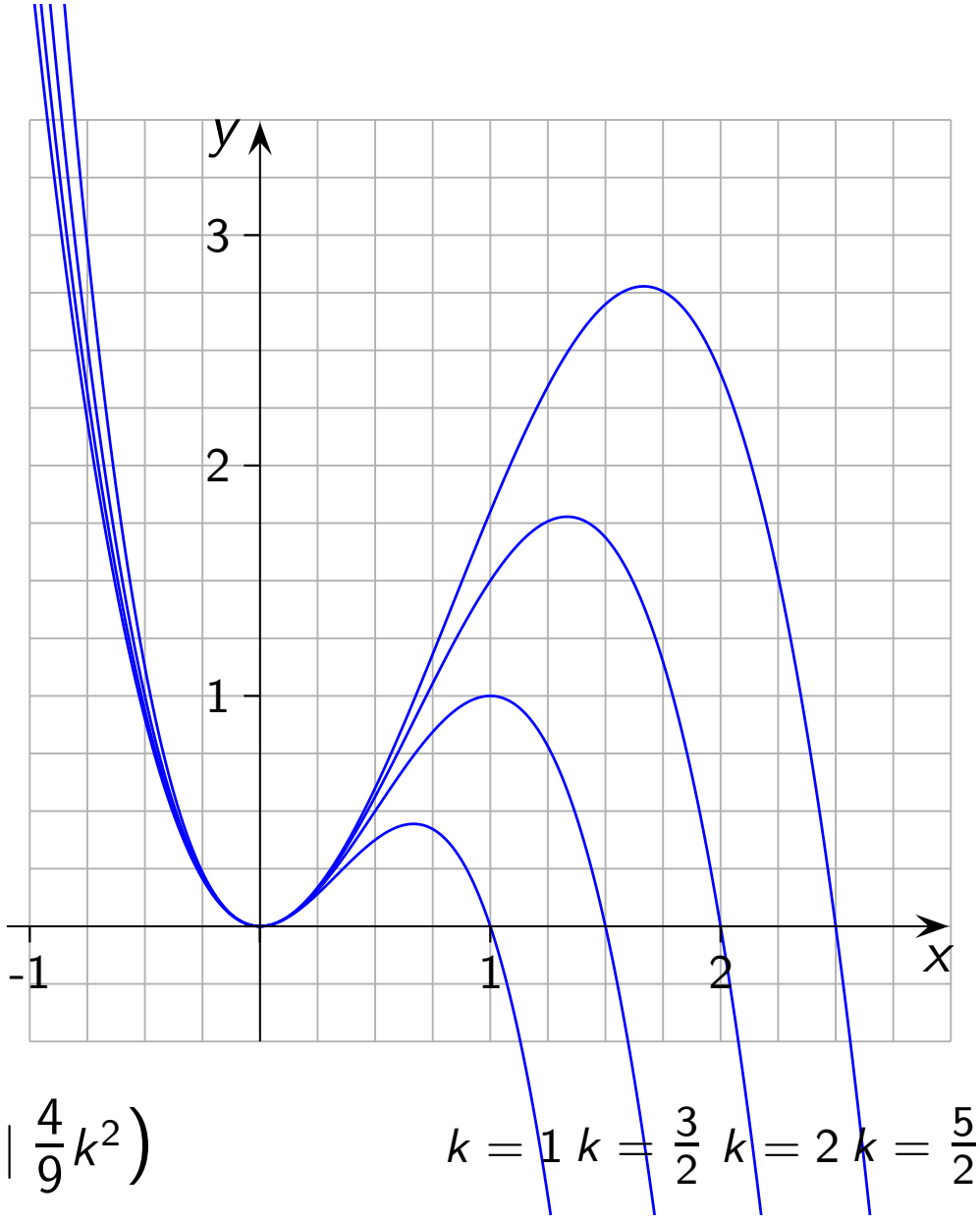
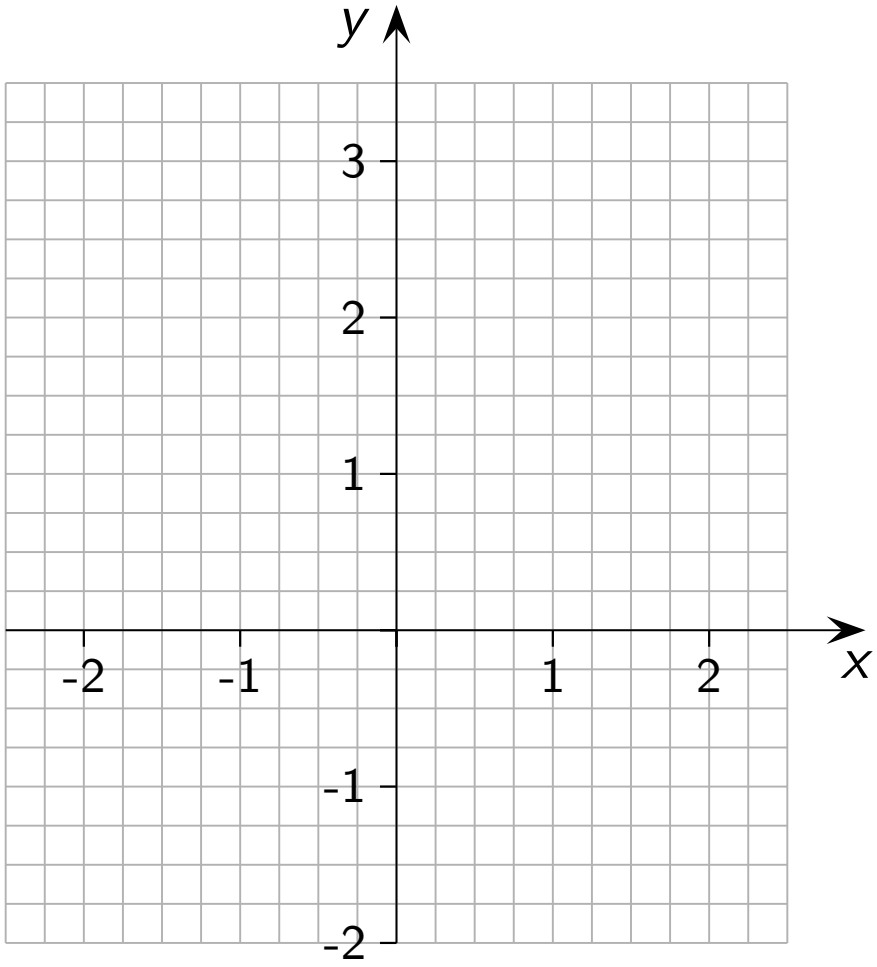


$Min\left(0 \mid 0\right)$, $\quad Max\left(\frac{2}{3}k \mid \frac{4}{9}k^2\right)$

$k = 1\ k = \frac{3}{2}\ k = 2\ k = \frac{5}{2}$

$f_k(x) = x^4 - kx^2 + 2$



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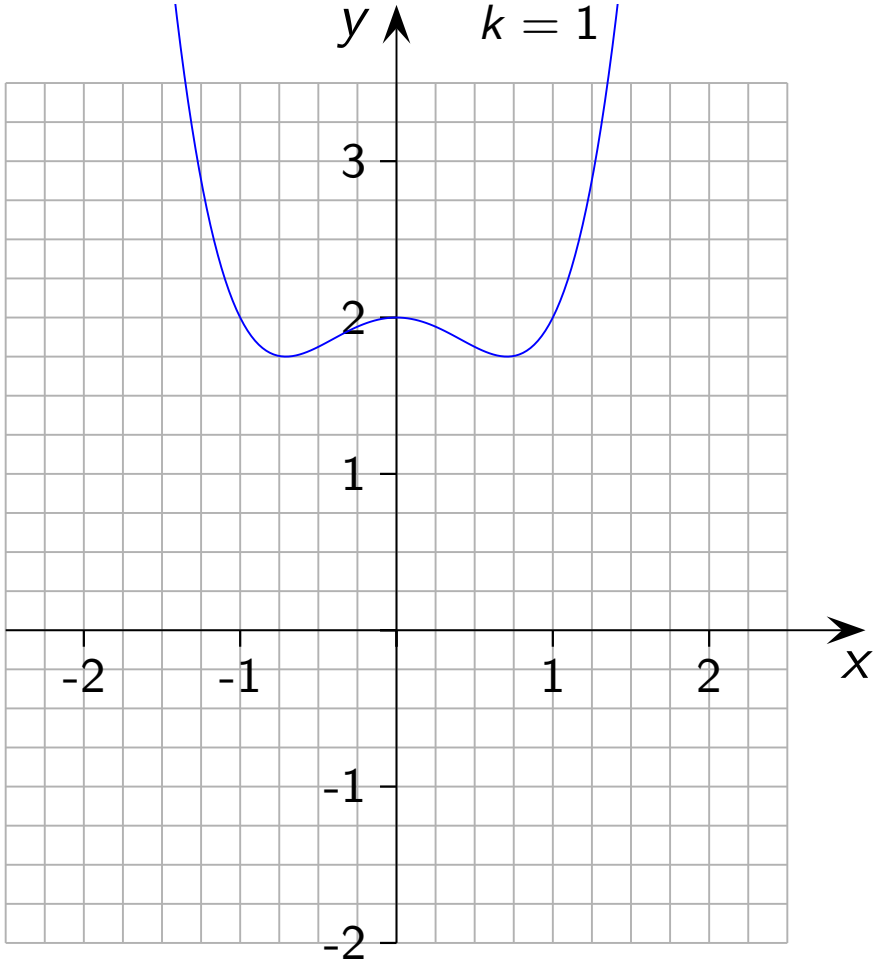

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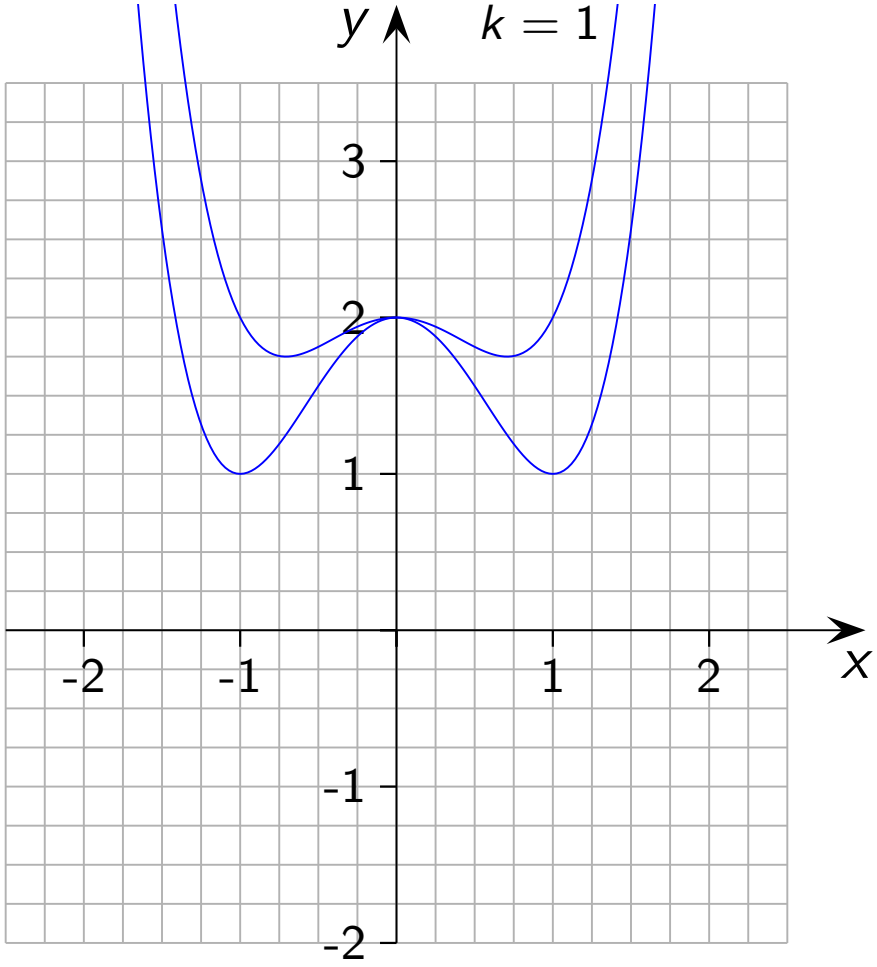

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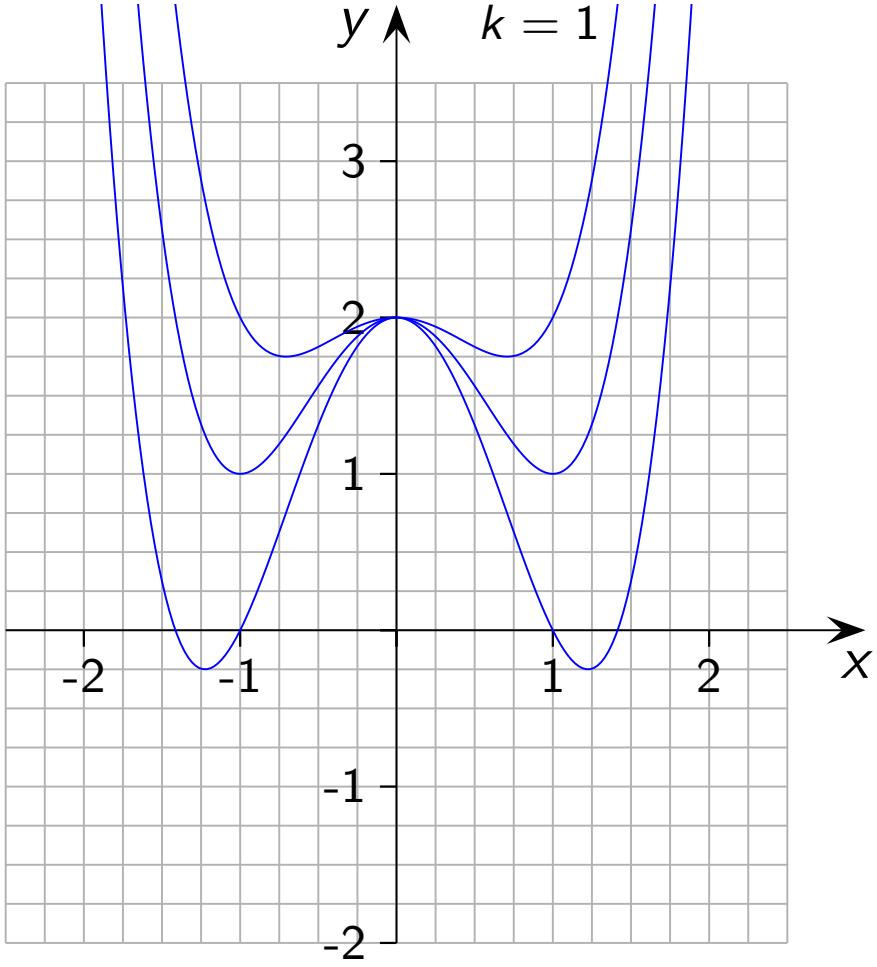

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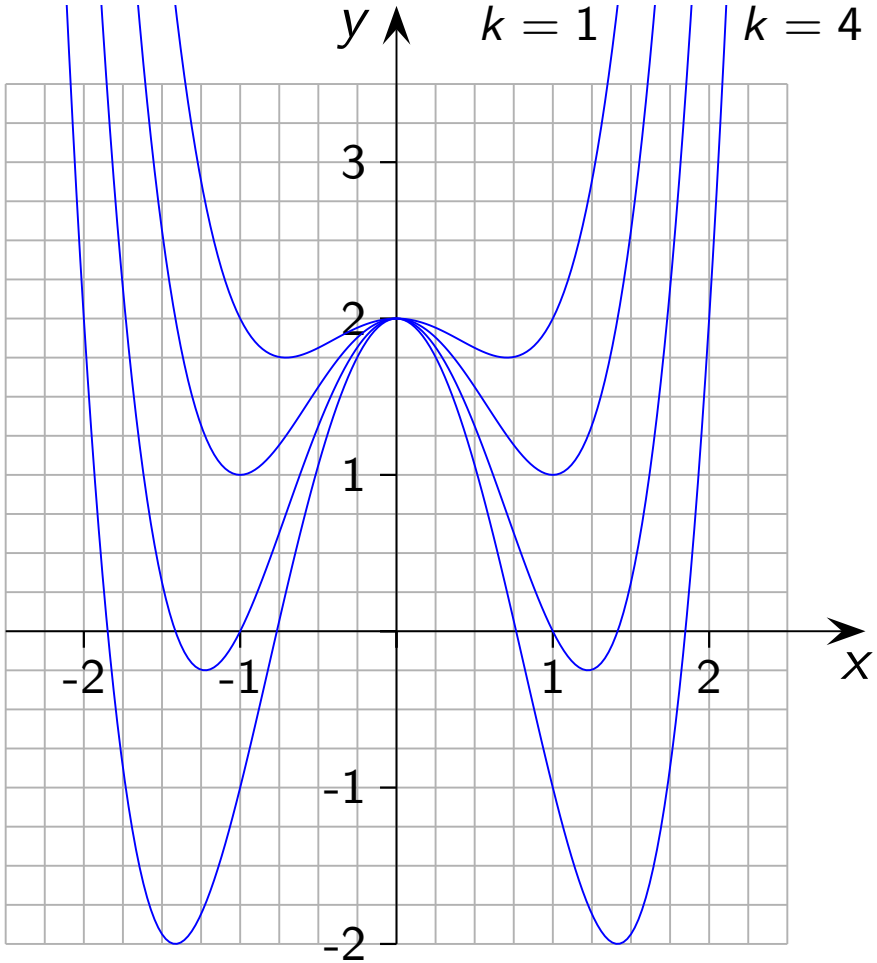

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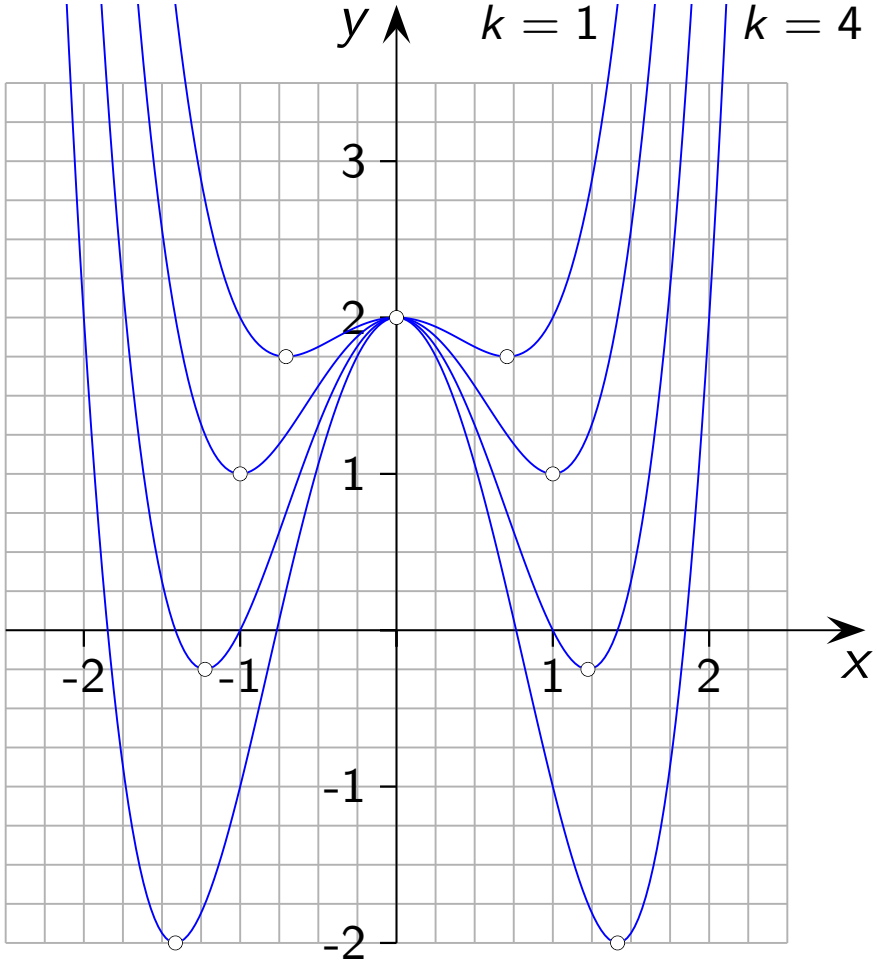

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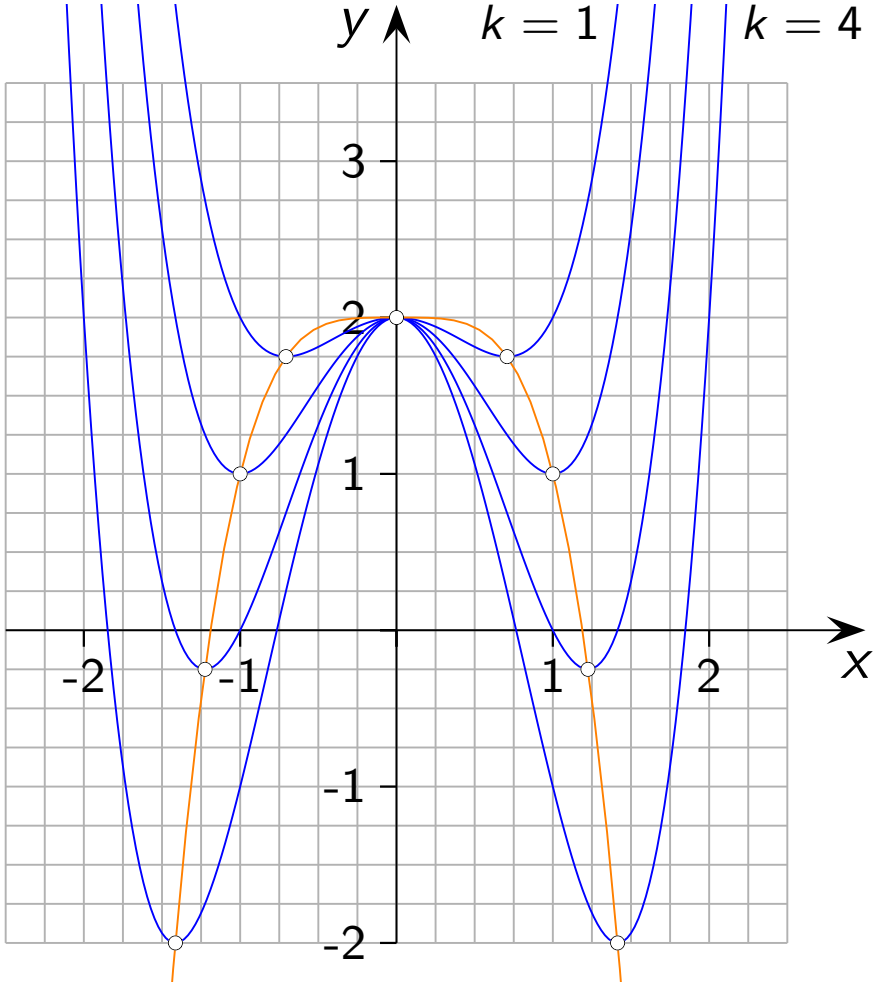

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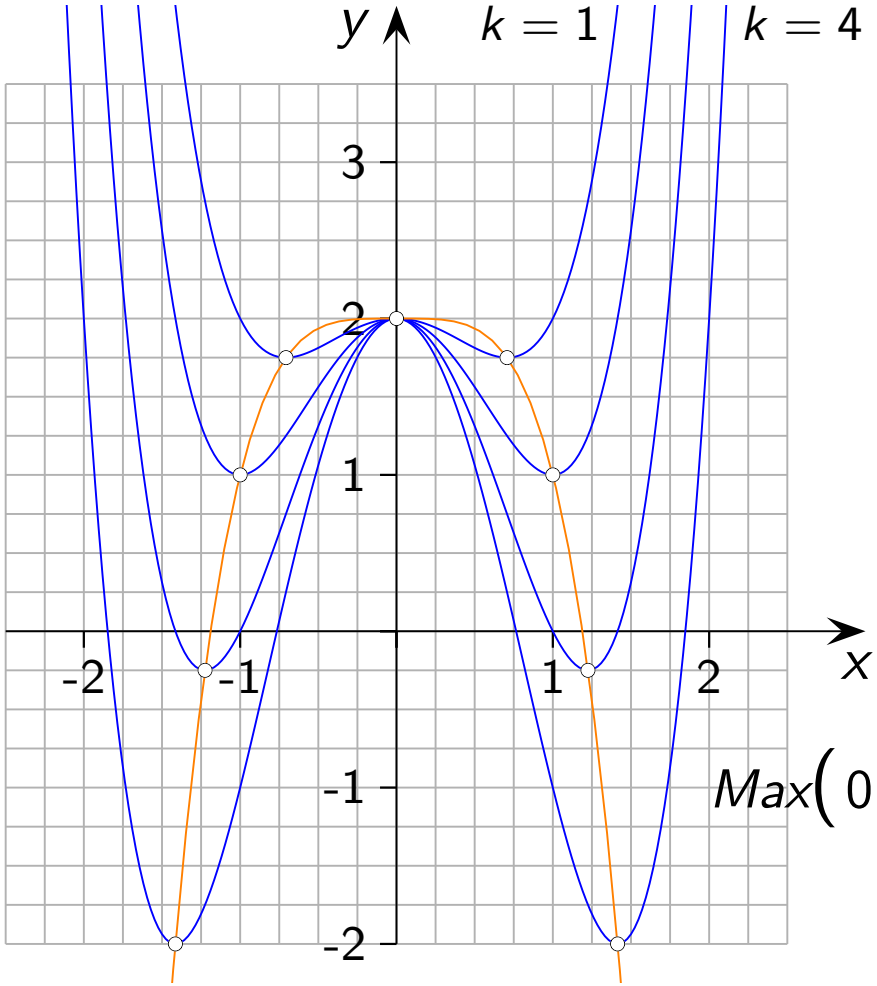
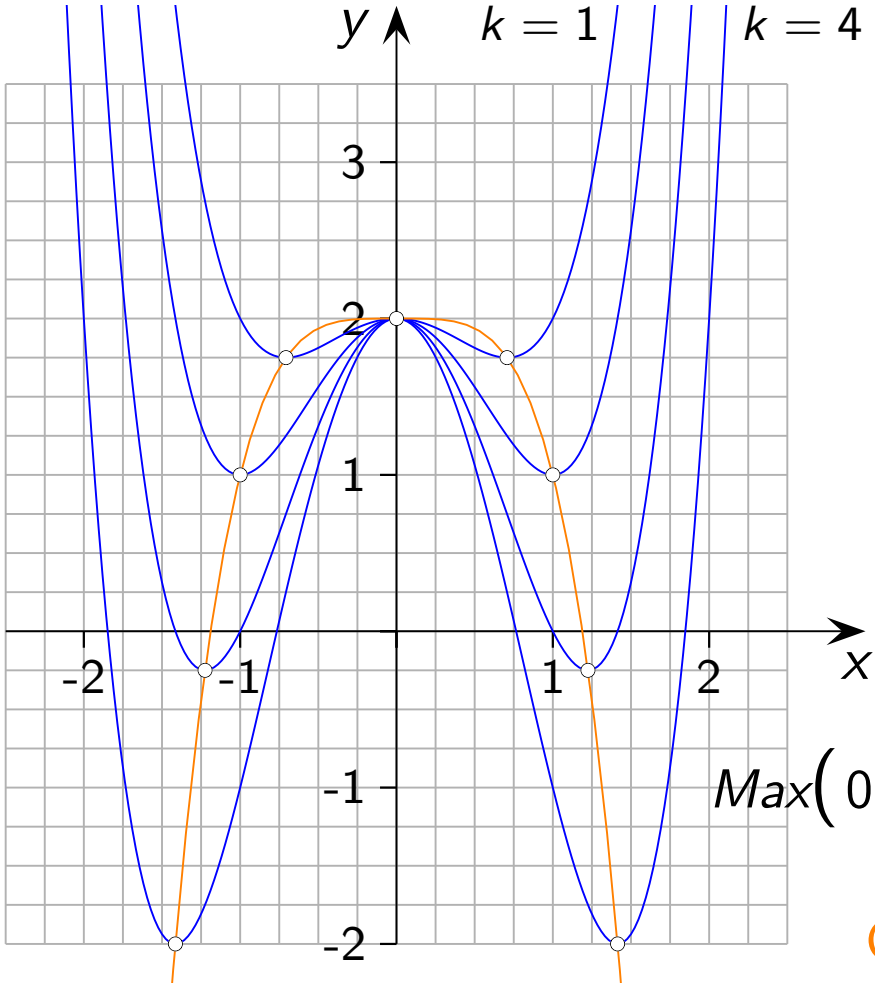


$Max\big(0 \mid 2\big), \quad Min_{1/2}\Big(\pm\sqrt{\frac{k}{2}} \mid 2 - \frac{k^2}{4}\Big)$

$f_k(x) = x^4 - kx^2 + 2$



$Max\big(0 \mid 2\big), \quad Min_{1/2}\Big(\pm\sqrt{\frac{k}{2}} \mid 2 - \frac{k^2}{4}\Big)$

Ortskurve $g(x) = 2 - x^4$