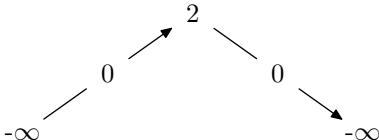


$x$	$-\infty$ $1-\sqrt{2}$ $1$ $1+\sqrt{2}$ $+\infty$
Variation de $-x^2+2x+1$	 <p>Diagram illustrating the variation of the function <math>-x^2+2x+1</math> across the domain defined by the critical points <math>1-\sqrt{2}</math> and <math>1+\sqrt{2}</math>.</p> <p>The function starts at <math>-\infty</math> as <math>x \rightarrow -\infty</math>, increases to a local maximum of <math>2</math> at <math>x = 1</math>, decreases to a local minimum of <math>0</math> at <math>x = 1+\sqrt{2}</math>, and then increases back to <math>-\infty</math> as <math>x \rightarrow +\infty</math>.</p>