

Solving a Rational Inequalities

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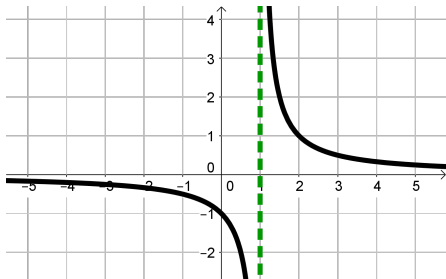
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In our graph of $f(x) = \frac{1}{x-1}$ we can see the change from $\frac{1}{x-1} < 0$ for $x < 1$ to $\frac{1}{x-1} > 0$ for $x > 1$ without passing a point where $\frac{1}{x-1} = 0$



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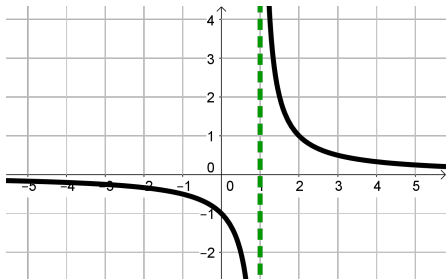
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We need to break our number line up at both of these types of places, and check a representative value on each interval.

