

Tableau de signe avec tkz-tab

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3 \documentclass[12pt]{article}
4 \usepackage[utf8]{inputenc}
5 \usepackage[upright]{fourier}
6 \usepackage[a4paper, margin=2.5cm]{geometry}
7 \usepackage{xcolor}
8 \usepackage{tkz-tab}
9 \usetikzlibrary{decorations.pathreplacing}
10 \usepackage{amsmath, fancyvrb}
11 \setlength{\parindent}{0pt}
12 \begin{document}

21 \begin{tikzpicture}
22 \tkzTabInit[lgt=2, espcl=1]
23 {\$x$ /1,
24 $x^2-3x+2$ /1,
25 $\ln(x^2-1)$ /1,
26 $E(x)$ /1}%
27 {$-\infty$, $-\sqrt{2}$, $-1$, $1$, $\sqrt{2}$, $2$, $+\infty$}%
28 \draw[fill=red!20, opacity=.3] (N10) rectangle (N74);
29 \draw[decoration={brace, amplitude=12pt},
30 decorate, line width=2pt, red] (N10) -- (N70)
31 node[above=12pt, midway]{\textcolor{red}{\textbf{R}}};
32 \tkzTabLine{ , + , t , + , t , + , z , - , t , - , z , + , }
33 \tkzTabLine{ , + , z , - , d , h , d , - , z , + , t , + , }
34 \tkzTabLine{ , + , z , - , d , h , d , + , z , - , z , + , }
35 \end{tikzpicture}
36 \end{document}

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x	$-\infty$	$-\sqrt{2}$	-1	1	$\sqrt{2}$	2	$+\infty$		
$x^2 - 3x + 2$	+	+	+	0	-	-	0	+	
$\ln(x^2 - 1)$	+	0	-	/	-	0	+	+	
$E(x)$	+	0	-	/	+	0	-	0	+