Tableau de variation de $f(x)$

$f(x) = (x-2)(x-1)(x+1)^2$
$\quad f'(x) = (x-2)(x-1)(2x+2) + (x-2)(x+1)^2 + (x-1)(x+1)^2$

x	-100.0		-1		$\frac{7}{8} - \frac{\sqrt{33}}{8}$		$\frac{\sqrt{33}}{8} + \frac{7}{8}$		100.0
$f'(x)$		$-$	0	$+$	0	$-$	0	$+$	
variation de $f(x)$	$1.01e+8$	$\searrow$	0	$\nearrow$	2.08	$\searrow$	-1.62	$\nearrow$	$9.90e+7$

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