

x	1		3		$+\infty$
Signe de $f'(x)$		-	0	+	
Variations de $f(x)$		$+\infty$		$+\infty$	
			2,5		

The diagram illustrates the variation of the function $f(x)$. It shows a downward arrow from $+\infty$ to 2,5, and an upward arrow from 2,5 to $+\infty$, indicating that the function decreases to a minimum at $x = 2,5$ and then increases.