X-2

Trova 
$$g \circ f$$
, con  $f(x) = \begin{cases} x & \text{se } x < 2 \\ \sqrt{x-2} & \text{se } x \ge 2 \end{cases}$ ,  $g(x) = \begin{cases} x-2 & \text{se } x < 0 \\ 2x+1 & \text{se } x \ge 0 \end{cases}$ .  $\left[ g \circ f : \begin{cases} 2\sqrt{x-2} + 1 & \text{se } x \ge 2 \\ 2x+1 & \text{se } 0 \le x < 2 \end{cases} \right]$ 

$$g: \mathbb{R} \to \mathbb{R}$$

$$q(x) = \begin{cases} x-2 & \text{if } x < 0 \\ 2x+1 & \text{if } x > 0 \end{cases}$$

$$\begin{cases} f(x)-2 & \text{if } f(x)-2 & \text{if } x<0 \\ f(x)-2 & \text{if } x<0 \end{cases}$$

$$\begin{cases} f(x)-2 & \text{if } f(x)-2 & \text{if } x<0 \\ 2f(x)+1 & \text{if } f(x)>0 \end{cases} = \begin{cases} f(x)-2 & \text{if } x<0 \\ 2f(x)+1 & \text{if } x<0 \end{cases}$$

$$= \begin{cases} x-2 & \text{ne } x<0 \\ 2x+1 & \text{ne } 0 \le x < 2 \\ 20x-2+1 & \text{ne } x \ge 2 \end{cases}$$

Compone la requestr funcion: q o f

$$f(x) = \begin{cases} -x+1 & \text{re } x < 0 \\ +x^2+2 & \text{re } x \geq 0 \end{cases}$$

$$\begin{cases} f(x) = \begin{cases} f(x) - 1 & \text{re } f(x) > 1 \\ 2f(x) \end{cases}$$

$$\begin{cases} f(x) > 1 & \text{re } x \leq 1 \end{cases}$$

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$$\begin{cases} f(x) > 1$$

