Suppose $R$ is the triangular region in the $xy$-plane bounded by $x = 0$, $x = 1$, $y = 0$, and $y = x^2$.

Suppose $f(x, y) = xy$.

Set up and but DO NOT EVALUATE an iterated integral which gives the area of the surface of the graph of $z = xy$ above the region $R$. [Note: This is probably easiest done if you use $x$ and $y$ for the parameters $s$ and $t$.]