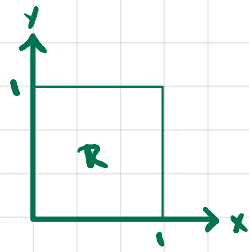


$$z = x^2 + y$$

$$\vec{F} = \langle z, 0, x \rangle$$



$S$  is surface representing graph of  $z = f(x, y)$  above  $R$ .