$$\begin{array}{c} t_{2} = 2 \\ 3t^{2} (3t^{2} (-t^{2} - 1) \cdot (1, 2t)) \\ t_{1} = -1 \\ 3t^{2} (3t^{2} - 2t^{2} - 2t) \\ 3t^{2} - 2t - 2t \\ 3t^{2} - 2t \\ 3t^{$$

$$\frac{2}{F}(x,y,z) = (y^2 + z^2, 2xy + z^2, 3xy + z^2)$$

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$$\frac{2}{F}(x,y,z) = (y^2 + z^2, 2xy + z^2, 2xy + z^2, 2xy + z^2)$$

$$\frac{2}{F}(x,y,z) = (y^2 + z^2, 2xy + z^2, 2$$

$$F(x,y,z) = xy^{2}z^{3}.$$

$$F(x,z) = xy^{2}z^{3}.$$

## Ejercicio 1

Calcule  $\oint_C x^2 y dx + xy^3 dy$ , donde C consta del arco de parábola  $y = x^2$  de (0,0) a (2,4), y de los segmentos de recta de (2,4) a (0,4) y de (0,4) a (0,0).

