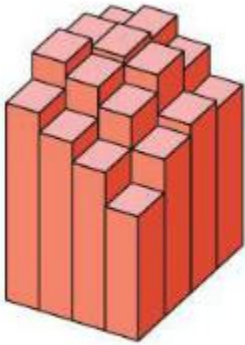


Volume using Riemann sums



(a) $n = 16$



(b) $n = 64$



(c) $n = 256$

Volume using a double integral

$$\int_0^3 \int_{-2}^0 (x^2 y - 2xy) \, dy \, dx$$

$$\int_{-2}^0 \int_0^3 (x^2 y - 2xy) \, dx \, dy$$