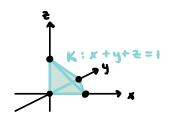
EX

Tetracedre med horn i (0,0,0), (1,0,0), (0,1,0), (0,0,1)



$$\iiint_{K} y \, dV = \int_{0}^{1-x} \int_{0}^{1-x-y} y \, dz \, dy \, dx = \int_{0}^{1-x} \int_{0}^{1-x} y(1-x-y) \, dy \, dx = \int_{0}^{1-x} \int_{0}^{1-x-y} y(1-x-y) \, dy \, dx = \int_{0}^{1-x} \int_{0}^{1-x} y(1-x-y) \, dy \, dx = \int_{0}^{1-x} y(1-x-y) \, dx = \int_{0}^{1-x} y(1-x-$$

$$= \int_{0}^{1} \left[\frac{y^{2}}{2} (1-x) - \frac{y^{3}}{3} \right]_{0}^{1-x} dx = \int_{0}^{1} \left(\frac{(1-x)^{3}}{2} - \frac{(1-x)^{3}}{3} \right) dx = \underbrace{\frac{(1-x)^{3}}{2}}_{1}$$

$$=\left[-\frac{\left(1-\chi\right)^{4}}{2^{4}}\right]_{0}^{1}=\frac{1}{2^{4}}$$