

Evaluate

$$\iiint_{\mathcal{W}} f(x, y, z) dV$$

for the function f and region \mathcal{W} specified:

$$f(x, y, z) = 24(x + y), \quad \mathcal{W} : y \leq z \leq x, \quad 0 \leq y \leq x, \quad 0 \leq x \leq 1.$$

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