$$\frac{1}{30} \sum_{x=1}^{30} \frac{1}{20} \int_{x=1}^{20} 1\{y < x\} x - 1\{y > 2\} y$$

$$\frac{1}{600} \sum_{x=1}^{30} \cdot \left(\sum_{y=1}^{3-1} x + \sum_{y=2}^{20} y$$

$$\frac{1}{500} \cdot \left(\frac{1}{20} + \sum_{y=2}^{30} x + \sum_{y=2}^{30} y$$

$$\frac{1}{500} \cdot \left(\frac{1}{20} + \frac{1}{20} + \frac{1}{20} \right)$$

$$\frac{1}{500} \cdot \left(\frac{1}{20} + \frac{1}{20} + \frac{1}{20} + \frac{1}{20} \right)$$

$$\frac{1}{500} \cdot \left(\frac{1}{20} + \frac{1}{20$$

