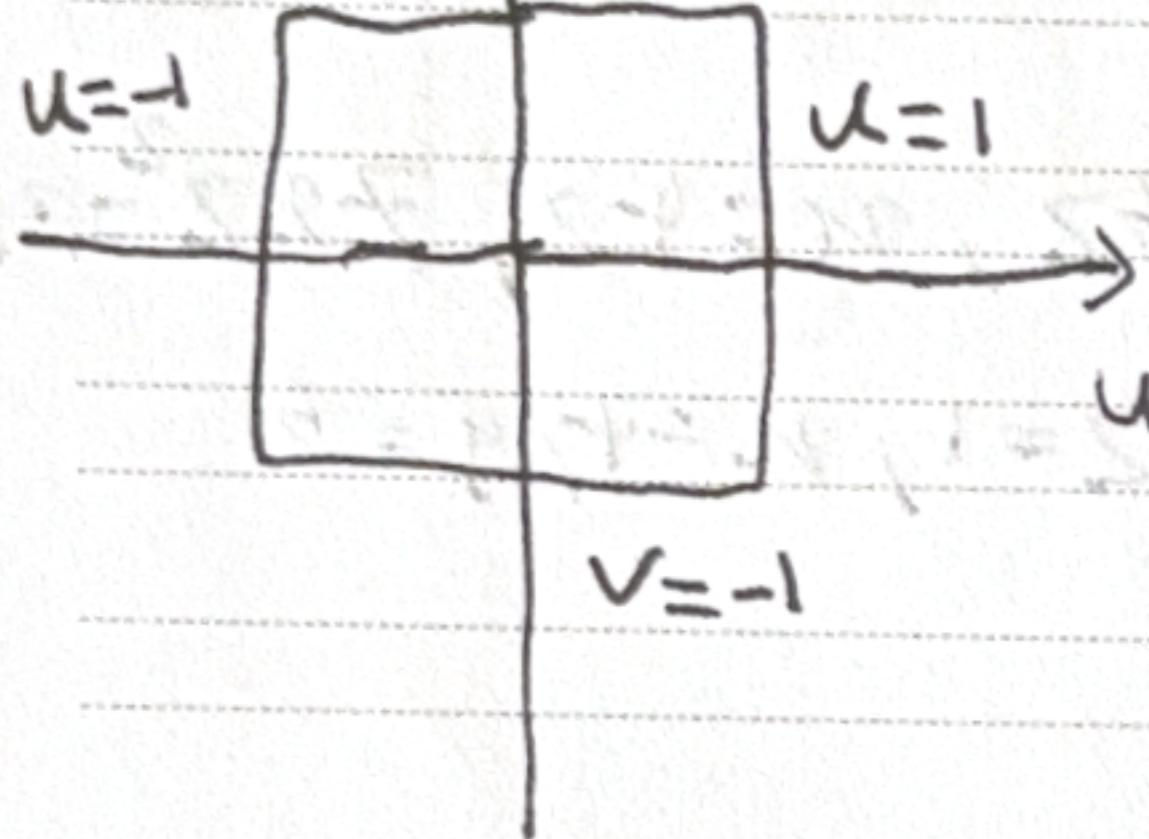


$$y \leq u = v + 3 \quad \begin{vmatrix} u_x & v_x \\ u_y & v_y \end{vmatrix} = -2$$

$$v = u - y$$

$$dudv = \frac{1}{2} du dv$$

$$\int_{-1}^1 \int_{-1}^1 \left(\frac{u}{2-v}\right)^4 \frac{1}{2} du dv$$



$$\text{Inner: } \frac{1}{5(2-v)^4}$$

$$\text{Outer: } \frac{26}{405} \approx 0.06$$