$$\text{\# } A + A^T = 0$$

$$\|t-s\| = r \qquad \Rightarrow \quad A = -A^T$$
$$\Rightarrow \det(A) = (-1)^n \det(A^T)$$

$$\int_0^\infty \int \frac{1}{r^{N-1}} \, dr \cdot d\Theta \cdot \qquad \text{the } d\Theta \text{ integral}$$
$$\underline{\text{gives any.}}$$

$$z = x - y \qquad u = \cancel{x} \; x - y \qquad t = x + y$$

$$\times \qquad\qquad dx = dy \qquad (dy) = \mp du)$$

$$\int \int_{-\varepsilon/2}^{\varepsilon/2}$$

$$y = -\varepsilon/2 \mapsto \varepsilon/2.$$

$$x - y: \; \varepsilon/2 + x \mapsto x - \varepsilon/2$$

$$\text{or } \int_{x=-\varepsilon/2}^{\varepsilon/2} \int_{x-\varepsilon/2}^{x+\varepsilon/2} \frac{1}{|u|} \, du$$

$$\leq \int_{-\varepsilon/2}^{\varepsilon/2} \int_{-\varepsilon}^{\varepsilon} \cancel{\text{...}} \; \|u\|^{u/N - 1}$$

$$= (\varepsilon/2)$$

$$\int_{-\varepsilon}^{\varepsilon} |u|^{u/N - 1} \qquad = \int_{\Theta=\pi}^{\pi} / \int_{r=0}^{\varepsilon} \cancel{\text{...}} \, r^{u/N - 1} \underbrace{\overset{n-1}{\cancel{r^{n-1}}}}_{\text{\tiny 0}} \, dr \, d\Theta$$

$$= \oint_{r=0}^{\varepsilon} r^{u/N} =$$