$$\left[\frac{r^{\eta/N+1}}{\eta/N+1}\right]_0^{\varepsilon}$$

$$= \frac{\varepsilon^{\eta/N+1}}{\eta/N+1}$$

$$= \varepsilon^N \varepsilon^\eta \varepsilon^N = \varepsilon^{2N+\eta} \quad ???$$

In 1D so $= \int_0^{\varepsilon} u^{\eta/N-1} + \int_{-\varepsilon}^{0} u^{\eta/N-1}$

$$= \left[\frac{r^{\eta/N}}{\eta/N}\right]_0^{\varepsilon} = \frac{\varepsilon^{\eta/N}}{\eta/N}$$

$$\left(\varepsilon/2 \times \varepsilon^{\eta/N}\right)^N = \varepsilon^{N+\eta}$$