

\therefore already we have proved that:

$$hD = \log E$$

$$= \log E^1 \quad \because E = E^1$$

$$= \log E^{-1(-1)}$$

$$hD = \log (E^{-1})^{-1} \quad \because x^{mn} = (x^m)^n$$

$$hD = (-1) \log (E^{-1}) \quad \because \log x^m = m \log x$$

$$hD = -\log (E^{-1})$$

$$hD = -\log (1 - \nabla) \quad \because \nabla = 1 - E^{-1} \text{ as proved earlier.}$$