

Evaluate

$$\log_2(3) \times \log_3(4) \times \dots \times \log_{127}(128)$$

$$= \log_2(3) \times \frac{\log_2(4)}{\log_2(3)} \times \dots \times \frac{\log_2(128)}{\log_2(127)}$$

$$= \log_2(128)$$

$$= 7$$