

Mutassuk meg, hogy:

$$\begin{aligned} \log a^n + \binom{n}{1} \log(a^{n-1}b) + \binom{n}{2} \log(a^{n-2}b^2) + \dots + \\ + \binom{n}{n-1} \log(ab^{n-1}) + \log b^n = \log(ab)^{n2^{n-1}}. \end{aligned}$$