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$$k. q = \frac{b^n}{ab^{n-1}} = \frac{b^n}{ab^{n-1} \cdot \frac{1}{b}} = \boxed{\frac{b}{a}} \leftarrow \begin{array}{l} \text{U/k } q \\ n-2 \text{ '182} \end{array}$$

$$p. S_{n+1} = \frac{a^n \left[ \frac{b^{n+1}}{a^{n+1}} - 1 \right]}{\frac{b}{a} - 1} = \frac{a^n (b^{n+1} - a^{n+1})}{\frac{a^{n+1} (b - a)}{a}} = \frac{a^{n+1} (b^{n+1} - a^{n+1})}{a^{n+1} (b - a)}$$

$$\boxed{\frac{\cancel{a^{n+1}} (b^{n+1} - a^{n+1})}{\cancel{a^{n+1}} (b - a)}}$$

$$S_{n+1} = \frac{a^n (n+1)}{a_1}$$

$\downarrow$   
 $a_1$

$\downarrow$   
7804  
p'72'k2