

$$\frac{2.71}{1.2}$$

$$n=9$$
$$a_1=1$$
$$S_9=369$$

$$369 = \frac{9}{2} [a_1 + a_n]$$

$$82 = 1 + a_n$$

$$a_n = 81$$

$$b_1 = 1$$

$$b_9 = 81$$

$$81 = 1 \cdot 9^8 \rightarrow 9 = \sqrt[8]{81} = \sqrt{3}$$

$$b_7 = 1 \cdot 9^6 = (\sqrt{3})^6 = 27$$