



第①层: $|A| = 3$

第②层: $|3A| = 3^5 |A| = 3^5 \cdot 3 = 3^6$

第③层: $|3^6 A| = (3^6)^5 |A| = 3^{30} \cdot 3 = 3^{31}$

第④层: $|3^{31} A| = (3^{31})^5 |A| = 3^{155} \cdot 3 = 3^{156}$