The all 7s sequence

7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,
7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,
7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, ...

Decimal expansion of 7/9.

Final digit of $16^{2^n}+1$, for all n.

It's just the number 7, forever.