



Graphs of mod x on powers of a given number

| | |
|----------------|-----------------------------------|
| Number: | <input type="text" value="11"/> |
| upto Exponent: | <input type="text" value="1001"/> |
| mod x: | <input type="text" value="100"/> |
| Scale x: | <input type="text" value="1"/> |
| Scale y: | <input type="text" value="1"/> |

- Exponents = {0,1,2... 1001 }
- Object_Power_Set = { 11^{exp} | $\text{exp} \in \text{Exponents}$ }
- Cycle_Set = { $o \pmod{100}$ | $o \in \text{Object_Power_Set}$ }
- {1,11,21,31,41,51,61,71,81,91} [count=10]
This set forms a Group under the operation $\otimes_{100}(x,y) = (x * y) \pmod{100}$

Explore

Chart

Last digit(s) for powers of

11(11⁰ to 11¹⁰⁰¹)

