



Graphs of mod x on powers of a given number

Number:	<input type="text" value="19"/>
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 = { 19^{exp} | $\text{exp} \in \text{Exponents}$ }
- Cycle_Set = { $o \pmod{100}$ | $o \in \text{Object_Power_Set}$ }
- {1,19,61,59,21,99,81,39,41,79} [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

19(19⁰ to 19¹⁰⁰¹)

