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### Graphs of mod x on powers of a given number

Number:	<input type="text" value="23"/>
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 = { $23^{\text{exp}}$  |  $\text{exp} \in \text{Exponents}$  }
- Cycle\_Set = {  $o \pmod{100}$  |  $o \in \text{Object\_Power\_Set}$  }
- {1,23,29,67,41,43,89,47,81,63,49,27,21,83,9,7,61,3,69,87} [count=20 ]  
This set forms a Group under the operation  $\otimes_{100}(x,y) = (x * y) \pmod{100}$

Explore

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Chart

Last digit(s) for powers of

23(23<sup>0</sup> to 23<sup>1001</sup>)

