

**1a.**

My n is 502 and t is 125.

**1b.**

**1c.**

**2.**

Answer to the ultimate question of life, the universe, and everything is not 42. it is 502

Congrats!

**4.**

GCD is: 1

B % GCD is: 0

Solution 1 is: 56884393062303769019751445983612369117060043083722821988604

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GCD is: 3

B % GCD is: 2

no solution.

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GCD is: 3

Solution 1 is: 9609279374756105288427021898499890361717105145551739027963

Solution 2 is: 110042907140942997509799652683766709621865315673440026493694

Solution 3 is: 210476534907129889731172283469033528882013526201328313959425

**4a.**

GCD of a and n is 1. GCD also divides the b value, so there are 1 solution. They are given below:

Solution 1 is: 56884393062303769019751445983612369117060043083722821988604

**4b.**

GCD of a and n is 5. But it doesn't divide the b value, there is no solution

**4c.**

GCD of a and n is 3. GCD also divides the b value, so there are 3 solutions. They are given below:



X3

Period is: 89