Hard – Discrete logarithm

Given this relation $y = g^x \ mod \ p$

For information, p is a primer number of **522bits** length and g is the **prime** root of p.

For validating this challenge, you just have to **give** the **value** of x (also **522** bits wide).

p =

7863166752583943287208453249445887802885958578827520225154826621191353388988
9089834842790219781140498382547017034244996889503617881401979066257963050084
51719

y =

6289736695712027841545587266292164172813699099085672937550442102159309081155
4675504114140881757298235981084520321374476086879296285970352783651527814948
83808

g =

2862392356922936880157505726961027620297475166595443090826668842052108260396
7550781800892950336771312867337849558543356725180179686221621532277788754586
50593

Challenge Points : 300 pts

Happy coding.

Club Scientifique de l'ESI

Hack !T
Algiers **Hackathon**