

#flo #disorganized

1 | let's go!!

Alice and Bob wanted to exchange information secretly. The two of them agreed to use the Diffie-Hellman key exchange algorithm, using $p = 13$ and $g = 5$. They both chose numbers secretly where Alice chose 7 and Bob chose 3. Then, Alice sent Bob some encoded text (with both letters and digits) using the generated key as the shift amount for a Caesar cipher over the alphabet and the decimal digits. Can you figure out the contents of the message?

H98A9W_{H6UM8W6A9D6C5ZCI9C8IJBACIFAI}picoCTF{M43F4B_{M1ZR3B1F4I1H0EHN4H3NOGFHNKFN}} h98a9w_{h6um8w6a9d6c5zci9c8ijbacifai}picoCTF{C43V4R_{C1PH3R1V4Y1X0UXD4X3DEWVXDABD}} ????

0.000228317094759-0.000156369801965i -0.003388682514055-0.002559342592582i -0.020711023763668+0.0617869
1

0.026936273599087

-0.156975118120879

{{0.000228317094759+0.000156369801965i,0.000228317094759-0.000156369801965i,0.000019543959048,-0.0038680

-4.877111838242915+14.549833022334499i 0 0 0

0 -4.877111838242915-14.549833022334499i 0 0

0 0 37.124660035896274 0

0 0 0 -6.370436359410444

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