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Server of Goldson
Connected by ('127.0.0.1', 50665)
Waiting on Client response.........
Message received: 100 Hello message
Sent 100 Hello message
Waiting on Client response.........
Message received: 110 Generator: 13, Prime: 65213
Message sent: 111 Generator and Prime Rcvd
Waiting on Client response.........
Message received: 120 PubKey 2926
Secret Key:  65184
Message sent: 120 PubKey 26265
Waiting on Client response.........
Message received: 130 Ciphertext 30758
Server Secret 65184
Client public 2926
SymmetricKey 31188
Decrypted Ciphertext:  51960
Message sent: 130 Ciphertext 10284
Let's Start...........
Waiting on Client response.........
Plain Text(SymmKey)  :  111100111010100
Generated Key(Binary) :  1000001100000000
Generated Key(decimal):  17152
Cipher Text          :  011101011010100
Message sent:  140 One Time Pad: 011101011010100
Waiting on Client response.........
Received:  155 OK
Waiting on Client response.........
Received:  200 Roll Dice
Server Roll:  [4, 1, 5, 1, 2]
Waiting on Client response.........
Received:  300 Bid Val: 1 Freq: 1
Enter c to Challenge or b to Bid b
Enter the Value: 1
Enter the Frequency: 3
Waiting on Client response.........
Client challenge your bid.
Server is the Winner !!!! 4, 1, 5, 1, 2
Server Roll: 4, 1, 5, 1, 2
Client Roll: 6, 4, 3, 1, 4
Invalid data received. Closing
Press any ENTER to continue
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Client of Goldson

    The dice in this program have a face value in the range 1--6.
   No error checking is done, so ensure that the bids are in the correct ran
ge.
    Follow the on-screen instructions.

Enter a valid prime between 1024 and 65536: 65213
Enter a positive integer less than the prime just entered: 13
Valid
Waiting on Server response.........
Message sent: 110 Generator: 13, Prime: 65213
Waiting on Server response.........
Secret Key:  49427
Sent:  120 PubKey 2926
Waiting on Server response.........
Client Secret 49427
Server public 26265
SymmetricKey 31188
Nonce 51960
Message sent: 130 Ciphertext 30758
Waiting on Server response.........
Ciphertext received: 10284
Decrypted Ciphertext: 51955
Final status code: 150 OK
Message sent: 150 OK
Let's Start...........
Waiting on Server response.........
Onetime pad Cipher 011101011010100
Enter One Time Pad Key, base 2 or 10: 17152
Key is correct. Decrpytion was successful
Plain text/SymmKey  (binary): 111100111010100
Plain text/SymmKey (decimal):  31188
Waiting on Server response.........
105 Received:  105 Hello message
Roll all the dice? (y/n): y
Waiting on Server response.........
205 Received:  205 Roll Dice ACK  6, 4, 3, 1, 4,
Client Roll:  [6, 4, 3, 1, 4]
Enter the Value: 1
Enter the Frequency: 1
Waiting on Server response.........
Waiting on Server response.........
Received:  305 Bid ACK Val: 1 Freq: 3
Enter c to Challenge or b to Bid c
Server roll is: 4, 1, 5, 1, 2
Client's roll is: 6, 4, 3, 1, 4
Server is the Winner !!!! 4, 1, 5, 1, 2
Waiting on Server response.........
Invalid data received. Closing
Press any ENTER to continue
```