Network Security Challenge 06 - Easy

Nolan is getting frustrated with the security of his previous approaches. Following the old advice of "If you want something done right, do it yourself", he decided to do everything himself now, so he wrote his own crypto implementation.
He implemented textbook RSA encryption and decryption to send an encrypted message.
To communicate with the server, you have to implement textbook RSA as well.
The server will send you all relevant information. All notation is the same as in the lecture and the encryption/decryption works on integers like in the lecture. The used numbers can be turned into strings like seen here:

```
def int_to_bytes(m):
        return m.to_bytes((m.bit_length() + 7) // 8, 'big').decode()
```

Exercise 6–2 is hosted at `netsec.net.in.tum.de` at port 20106.
We recommend connecting to the server using `netcat (man nc)` first.
It is advisable to have a Linux system at hand for the challenges. Our servers and clients are written in python.