

```
p:next_prime(382956327891237462038293748015);
```

```
q:next_prime(932343245242348534753975296852);
```

```
n:p·q;
```

```
e:2^20+1;  
1048577
```

```
pn:(p-1)·(q-1);
```

```
gcd(e, pn);  
1
```

```
m:09711011610510010511510111511609709810810511510410
```

```
c:power_mod(m, e, n);
```

```
n:712446816787;  
712446816787
```

```
e:6551;  
6551
```

```
c:273095689186;  
273095689186
```

```
pn:totient(n);  
712445114176
```

```
inv_mod(e, pn);  
368022327335
```

```
power_mod(c, %, pn);  
516975928768
```

```
m:111110101;  
111110101
```

```
c:power_mod(m, e, n);  
573878944579
```

```
m:116119111;  
116119111
```

```
c:power_mod(m, e, n);  
432406862407
```