

```
In[1]:= Prime[100]
```

```
Out[1]= 541
```

```
In[2]:= n = 61 * 53
```

```
Out[2]= 3233
```

```
In[3]:= phi = EulerPhi[3233]
```

```
Out[3]= 3120
```

```
In[4]:= GCD[phi, 17]
```

```
Out[4]= 1
```

```
In[5]:= e = 17
```

```
Out[5]= 17
```

```
In[6]:= m = 65
```

```
Out[6]= 65
```

```
In[7]:= c = PowerMod[m, e, n]
```

```
Out[7]= 2790
```

```
In[8]:= d = PowerMod[e, -1, phi]
```

```
Out[8]= 2753
```

```
In[9]:= message = PowerMod[2790, d, n]
```

```
Out[9]= 65
```