

```
$ pl
```

```
<...snip...>
```

```
?- consult('crypto.pro').  
% gv.pro compiled 0.00 sec, 2,872 bytes  
% crypto.pro compiled 0.00 sec, 5,816 bytes
```

```
Yes  
?- establishCryptoProblemParameters.
```

```
Yes  
?- displayBindings.  
lo -> 0  
hi -> 15
```

```
Yes  
?- generateRandomCryptoNumber(N).
```

```
N = 3
```

```
Yes  
?- generateRandomCryptoNumber(N).
```

```
N = 8
```

```
Yes  
?- generateRandomCryptoNumber(N).
```

```
N = 6
```

```
Yes  
?- generateRandomCryptoProblem.
```

```
Yes  
?- problem(N,G).
```

```
N = numbers(12, 13, 1, 15, 8),  
G = goal(14)
```

```
Yes  
?- generateRandomCryptoProblem.
```

```
Yes  
?- problem(N,G).
```

```
N = numbers(4, 3, 7, 6, 14),  
G = goal(4)
```

```
Yes  
?- generateRandomCryptoProblem.
```

```
Yes  
?- problem(N,G).
```

```
N = numbers(1, 12, 14, 4, 6),  
G = goal(5)
```

```
Yes  
?- generateRandomCryptoProblem.
```

```
Yes  
?- displayProblem.  
Problem: numbers = {11,13,6,6,11} and goal = 0
```

```
Yes  
?- generateRandomCryptoProblem.
```

Yes

?- displayProblem.

Problem: numbers = {8,10,7,12,6} and goal = 11

Yes

?- generateRandomCryptoProblem.

Yes

?- displayProblem.

Problem: numbers = {3,13,14,13,9} and goal = 8

Yes

?- halt.