

```
$ pl

<...snip...>

?- consult('crypto.pro').
% gv.pro compiled 0.00 sec, 2,892 bytes
% combosets.pro compiled 0.00 sec, 7,076 bytes
% crypto.pro compiled 0.00 sec, 20,392 bytes

Yes
?- demo.
Problem: numbers = {3,8,6,12,13} and goal = 1
Solution: ( ( 13 - ( 3 + 8 ) ) / ( 12 / 6 ) )

Yes
?- demo.
Problem: numbers = {15,8,14,4,3} and goal = 7
Solution: ( ( 3 * ( 14 - 4 ) ) - ( 15 + 8 ) )

Yes
?- demo.
Problem: numbers = {6,14,4,1,12} and goal = 14
Solution: ( 12 - ( ( 6 - 14 ) / ( 4 * 1 ) ) )

Yes
?- demo.
Problem: numbers = {4,6,5,11,13} and goal = 6
Solution: ( 5 + ( ( 11 + 13 ) / ( 4 * 6 ) ) )

Yes
?- demo.
Problem: numbers = {6,11,0,8,10} and goal = 7
Solution: ( ( 0 * 8 ) - ( 10 - ( 6 + 11 ) ) )

Yes
?- demo.
Problem: numbers = {12,6,11,3,13} and goal = 14
Solution: ( ( ( 12 + 6 ) + ( 11 + 13 ) ) / ex(ex(12, +, 6), +, ex(11, +, 13)) )

Yes
?- demo.
Problem: numbers = {13,9,8,11,4} and goal = 3
Solution: ( ( 8 * ( 11 + 4 ) ) - ( 13 * 9 ) )

Yes
?- demo.
Problem: numbers = {8,7,6,1,14} and goal = 2
Solution: ( ( 1 + ( 8 + 7 ) ) / ( 14 - 6 ) )

Yes
?- demo.
Problem: numbers = {3,1,1,2,12} and goal = 4
Solution: ( ( 12 - ( 3 + 1 ) ) / ( 1 * 2 ) )

Yes
?- demo.
Problem: numbers = {12,2,6,0,11} and goal = 10
Solution: ( ( 12 - 2 ) + ( 11 * ( 6 * 0 ) ) )

Yes
?- displayBindings.
lo -> 0
hi -> 15
problem -> problem(numbers(12, 2, 6, 0, 11), goal(10))
n1 -> 12
n2 -> 2
n3 -> 6
n4 -> 0
```

n5 -> 11

g -> 10

solution -> solution(ex(ex(12, -, 2), +, ex(11, *, ex(6, *, 0))))

Yes

?- halt.