

?- demo(100).

crypto_problem --> problem(numbers(5,0,1,1,4),goal(0))

considering rule 1 ...

application of rule 1 produces solution: $(5 * (0 * (1 * (1 * 4))))$

crypto_problem --> problem(numbers(8,2,4,5,5),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,1,1,0,7),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,1,5,4,7),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: $(4 + (0 * (1 * (5 * 7))))$

crypto_problem --> problem(numbers(2,9,6,1,2),goal(9))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,7,6,4,9),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(3,5,0,3,6),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,5,4,0,8),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,2,8,7,9),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,5,5,1,4),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,6,7,0,7),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: $(6 + (0 * (2 * (7 * 7))))$

crypto_problem --> problem(numbers(3,5,5,6,8),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,9,4,3,1),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,5,2,6,3),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(6,1,6,1,2),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,7,5,7,5),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,6,5,9,4),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(3,5,7,8,7),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,4,5,1,4),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,8,6,3,6),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,1,4,6,9),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,7,2,2,1),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,8,9,8,7),goal(0))

considering rule 1 ...

considering rule 2 ...

application of rule 2 produces solution: $((8 - 8) * (2 * (9 * 7)))$

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crypto_problem --> problem(numbers(7,5,9,6,5),goal(0))
considering rule 1 ...
considering rule 2 ...
application of rule 2 produces solution: ( ( 5 - 5 ) * ( 7 * ( 9 * 6 ) ) )
crypto_problem --> problem(numbers(3,8,6,2,8),goal(6))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
considering rule 4 ...
considering rule 5 ...
considering rule 6 ...
considering rule 7 ...
considering rule 8 ...
NO SOLUTION found with this rule base.
crypto_problem --> problem(numbers(2,9,0,0,1),goal(0))
considering rule 1 ...
application of rule 1 produces solution: ( 2 * ( 9 * ( 0 * ( 0 * 1 ) ) ) )
crypto_problem --> problem(numbers(2,8,2,5,1),goal(8))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
considering rule 4 ...
considering rule 5 ...
considering rule 6 ...
considering rule 7 ...
considering rule 8 ...
NO SOLUTION found with this rule base.
crypto_problem --> problem(numbers(0,9,2,6,0),goal(1))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
considering rule 4 ...
application of rule 4application of rule 4considering rule 5 ...
considering rule 6 ...
considering rule 7 ...

```

application of rule 7application of rule 7considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,9,2,6,4),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(8,5,4,5,7),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,6,6,4,6),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(3,1,6,8,5),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,8,7,3,2),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,7,8,2,9),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(8,3,3,1,9),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,8,7,2,5),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,2,8,5,9),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,9,0,5,0),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,8,6,2,1),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,4,0,1,3),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: $(3 + (0 * (5 * (4 * 1))))$

crypto_problem --> problem(numbers(9,4,4,5,1),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,7,6,4,1),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(3,7,6,1,4),goal(0))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,0,8,3,3),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

application of rule 4 produces solution: $((3 / 3) + (0 * (5 * 8)))$

crypto_problem --> problem(numbers(5,4,9,1,7),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(6,3,7,3,4),goal(0))

considering rule 1 ...

considering rule 2 ...

application of rule 2 produces solution: $((3 - 3) * (6 * (7 * 4)))$

crypto_problem --> problem(numbers(5,7,8,9,8),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(1,5,0,3,1),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

application of rule 5 produces solution: $((3 + 1) + (0 * (5 * 1)))$

crypto_problem --> problem(numbers(3,4,2,1,7),goal(9))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,5,7,3,1),goal(9))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,7,2,5,4),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(1,3,3,1,4),goal(0))

considering rule 1 ...

considering rule 2 ...

application of rule 2 produces solution: $((1 - 1) * (3 * (3 * 4)))$

crypto_problem --> problem(numbers(6,1,2,3,8),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,4,9,9,0),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

application of rule 4 produces solution: $((9 / 9) + (0 * (7 * 4)))$

crypto_problem --> problem(numbers(0,2,6,2,7),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(3,2,5,2,5),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(8,4,6,5,4),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(6,4,9,0,6),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(8,1,4,6,9),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(1,6,5,3,8),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,3,8,8,4),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(3,3,5,9,4),goal(3))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,5,3,6,2),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,4,4,0,7),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

application of rule 4 produces solution: $((7 / 7) + (0 * (4 * 4)))$

crypto_problem --> problem(numbers(5,6,9,8,5),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,1,0,2,1),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,3,9,5,6),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,5,7,9,1),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,1,9,1,5),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,2,9,4,6),goal(6))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,9,4,9,0),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,7,4,8,9),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,8,2,2,3),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(5,8,7,2,0),goal(7))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
application of rule 3 produces solution: $(7 + (0 * (5 * (8 * 2))))$
crypto_problem --> problem(numbers(5,2,0,6,9),goal(5))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
application of rule 3 produces solution: $(5 + (0 * (2 * (6 * 9))))$
crypto_problem --> problem(numbers(5,5,5,1,1),goal(5))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
considering rule 4 ...
considering rule 5 ...
considering rule 6 ...
considering rule 7 ...
considering rule 8 ...
NO SOLUTION found with this rule base.
crypto_problem --> problem(numbers(4,1,3,1,6),goal(5))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
considering rule 4 ...
considering rule 5 ...
considering rule 6 ...
considering rule 7 ...
considering rule 8 ...
NO SOLUTION found with this rule base.
crypto_problem --> problem(numbers(4,2,4,9,9),goal(1))
considering rule 1 ...
considering rule 2 ...
considering rule 3 ...
considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,0,3,7,7),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,5,1,5,9),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: $(5 + (0 * (1 * (5 * 9))))$

crypto_problem --> problem(numbers(9,5,3,5,0),goal(4))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(6,4,3,2,3),goal(0))

considering rule 1 ...

considering rule 2 ...

application of rule 2 produces solution: $((3 - 3) * (6 * (4 * 2)))$

crypto_problem --> problem(numbers(3,6,9,1,9),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(6,4,9,5,1),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,2,1,8,7),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,8,7,0,4),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: (7 + (0 * (8 * (0 * 4))))

crypto_problem --> problem(numbers(6,5,1,2,2),goal(9))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(0,3,2,1,7),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: $(7 + (0 * (3 * (2 * 1))))$

crypto_problem --> problem(numbers(3,9,8,6,9),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,7,1,4,3),goal(7))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(9,5,9,6,2),goal(5))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,4,5,3,1),goal(0))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(8,2,2,0,3),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

application of rule 3 produces solution: $(2 + (0 * (8 * (2 * 3))))$

crypto_problem --> problem(numbers(8,9,3,3,6),goal(9))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(8,1,4,6,6),goal(9))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(4,5,5,1,4),goal(1))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(6,3,7,3,4),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(2,7,2,5,8),goal(8))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.

crypto_problem --> problem(numbers(7,7,1,3,6),goal(0))

considering rule 1 ...

considering rule 2 ...

application of rule 2 produces solution: $((7 - 7) * (1 * (3 * 6)))$

crypto_problem --> problem(numbers(6,5,4,0,4),goal(2))

considering rule 1 ...

considering rule 2 ...

considering rule 3 ...

considering rule 4 ...

considering rule 5 ...

considering rule 6 ...

considering rule 7 ...

considering rule 8 ...

NO SOLUTION found with this rule base.