Johnalon

Proves that specified invariant will hold under every single Possible aramstance.

```
lets day f(n, y, z) is function where n > y

y > z

n > z
```

f(n,y,z) = (n >y) n(y>z) n(n>z) which can be translated to Soliaity

```
contract SMTSChecker1 {
   function verify(uint256 x, uint256 y, uint256 z) external pure {
      assert(x > y);
      assert(y > z);
      assert(x > z);
   }
}
```

and this code snippet can be foundly

verified by using SMT solvers SMT Solvers - K. Lang 23 (Approver) - Somt Lib -> = SMT (nec ker)
(80lc builtin) SMT Solver Mechanism Checks unsatisfiabilité of the negation of boolean f(n; y, z) = 7((n, y, z), n(y, z), (n, z))=> f'(ny,2)= (n ≤ y) v (y ≤ 2) v (n ≤ 2). won't hold under all inputs. Making Function veustiable

```
assurs
                                   hold.
assert(y > z);
assert(x > z);
```