```
Last login: Tue Mar 1 14:54:14 on console
[dyn-172-21-74-68:~] solver% julia
                   A fresh approach to technical computing
                   Documentation: http://docs.julialang.org
Type "?help" for help.
                   Version 0.4.3 (2016-01-12 21:37 UTC)
                    x86_64-apple-darwin15.3.0
julia> ^C
julia> 1+1
2
julia> 1+3
julia> x=5
julia> x
julia> x^2
julia> y=x+1
julia> x=3
julia> y
julia> 1
julia> bits(1)
julia> x=1
julia> length(bits(x))
64
julia> length(bits(x))/8
8.0
julia> type
type
          typeintersect typemax
                                 typeof
typealias
          typejoin
                      typemin
julia> type
          typeintersect typemax
type
                                 typeof
typealias
          typejoin
                      typemin
julia> typemax(Int64)
9223372036854775807
julia> largest_integer=typemax(Int64)
9223372036854775807
julia> bits(largest_integer)
julia> largest_integer+1
-9223372036854775808
julia> # This is comment, so is not evaluated
julia> # largest_integer+1 is smallest_integer
julia> typemin(Int64)
-9223372036854775808
julia> bits(largest_integer+1)
```