

File - /Users/chadanlo/go/src/prr-labo2/labo2/processus/processus.go

```
1 /*
2 -----
3 Lab      : 02
4 File     : processus.go
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6 Date     : 03.12.2019
7
8 Goal     : Creates both instances of Mutex and Network
9 -----
10 */
11
12 package processus
13
14 import (
15     "PRR-Labo2/labo2/config"
16     "PRR-Labo2/labo2/mutex"
17     "PRR-Labo2/labo2/network"
18     "math/rand"
19 )
20
21 const (
22     stampMax = 100
23     stampMin = 0
24 )
25
26 type Process struct{
27     Id uint16
28     Net network.Network
29     Mut mutex.Mutex
30     N uint16
31 }
32
33 func (p *Process) Init(id uint16, N uint16){
34     p.Id = id
35     p.N = N
36     p.Net = network.Network{
37         Debug: config.Debug_Network,
38     }
39     p.Mut = mutex.Mutex{
40         Debug: config.Debug_Mutex,
41     }
42
43     // Ensures everyone has a different seed
44     rand.Seed(int64(id + N))
45
46     initStamp := uint32(rand.Intn(stampMax - stampMin + 1) + stampMin)
47
48     p.Mut.Init(p.Id, initStamp, N, &p.Net)
49     p.Net.Init(p.Id, N, &p.Mut)
50 }
51
```