Практика 30.03.2022

Д/З 7,8 - до 19:00 04.04.2022

Д/З 8 (по мониторам, Бен-Ари глава 7)

7.1., 7.2., 7.3.

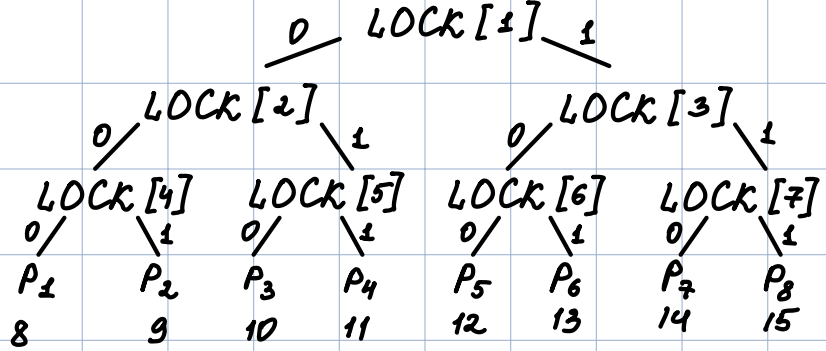
06.04 - КР в Политехе в 12:00

Алгоритм турнира

LOCK - acquire_lock() } для 2х процессов

release_lock()

$n = 2^k$




```
LOCK.acquire_lock(i){
(1)   FLAG[i] := 1
(2)   AFTER_YOU := i
(3)   while (FLAG[j] = 1 ∧ AFTER_YOU = i) {skip}
}
LOCK.release_lock(i){
(4)   FLAG[i] := 0
}
```

```
acquire_mutex (i) {
(1)    node := i + (n-1)
(2)    for (l := 1, l ≤ k, l++) {
(3)        pid[l] := node mod 2
(4)        node := ⌊node / 2⌋
(5)        LOCK[node].acquire_lock(pid[l])
(6)    }
(7) }
release_mutex (i) {
(8)    node := 1
(9)    for (l := k; l ≥ 1; l--) {
(10)       LOCK[node].release_lock(pid[l])
(11)       node := 2·node + pid[l]
(12)   }
(13) }
```