Zusatz-60

Klauser: bs 1_2008h. pdf (LZP)

P: Somaphor sperren (runter zeililein)

blockeren his s. verfing bar

V: Somaphor freiget en (routzejhlen)

a?) int test-and-set (int xv)

{
 int tup = XV;
 XV = 1;
 return tup;
}

void P(int xs)

while (test and set(s));

votel V (; ut x s)

\(\times = 0;
\)

P(\$);

C + +

bonarem sem

= 206/semapter witheli

V(S);

```
12) id=0 ist noNg, de sonst Prosesse
untt utedriger 10 zervorkommen
konnter
```

Netr, Threads with whollyen
10s werden bevortett.

1.3) Der Cocle implemen L'est buss wasting.

C1.)

semaplior reacher-counter; semaplior reacher-counter-lock; semaplior write-lock;

void get-coordmates (elem_t * elem, double * x, double * y)

{
 (R clem -> reacher_counter_lock);
 (clem -> reacher_counter_lock);
 (V(& leben -> reacher_counter_lock));
 ** = elem -> x;
 ** y = elem -> y;
 P(...)
 (elem -> ...) --;
 V(__)

OS Zusutz-GÜ

void set-coordinates (elem-t x clem, double x, double y)

P(lelem -> nrter-lock);
P(lelem -> reader_counter_lock));
while (elem -> reader_counter > 0) {
V(lelelem -> reader_counter-lock));
// nap; nap;

P(& (dem > reader_counter_lock));

Elem -> x = ...

elem -> y = ...

v1&(elem > reader_counter_lock));

VI& (elem -> reader_counter_lock);