| 199: | Vavorie | to or salven | Monisa doi, |
|---|---------|-----------------------------|--------------------------|
| sem-init (sem-t * s) sem-post (sem-t * s) sem-wait (sem-t * s) 40 nb jeton > 0 40 sinon ent after | 1, unsi | gned int va | lue); initialisat . |
| Question 1: | s 1 | s 2 | |
| | 0 | 1 | |
| P1() | | | |
| p2() | 1 | 101 | |
| pa () | 1 | | . 0 |
| p2() | 0 | 10 = 10 da | A fin de la 10 m execut. |
| bs) est execute a pri | us all |) et a2(). | |
| on va exécuter | ies b | les a puis chronisation. | après seulement, |
| | | | |
| | | | |

Question 2; # define N sem-t s[N]; for lint i=0; i < N; i++)/ sem-init (&s[i], 1, a); plint a) { aln); forlint i=0; i(N·i++){ if (i != 19) { sem - post (& s[i]); for (int i=0, i < N-1, i+1){ sem_wait (&s[n]) b(n); =DIP y a beaucoup de sema phore

Question 3: * On a 1 semaphore qui sert à bloquer tous les de mutex. Question 4: struct bariner & sem_t m sem_t s; void borrier_init (struct borrier * b, int a) 6-xnor= bっcテ b -> n; sem_init(2b-> m, 0, 1) sem-init (2 b -> s, 0, 0);

void barrier_synch (struct barrier *b) { sem_wait 12b -> m) b > c ++; if (b > c < b > n) { sem-post (2 b 2 m) sem - wait (&b -> s); else { forlint i=0, i < N-1 i+1){ sem - post(&b ->s). & sem_post (& b -> m);