

北科 90 OS.

Question:

Describe the difference in the definition (or semantics) of wait operation and signal operation between counting semaphore (or general semaphore) and binary semaphore.

Ans.

Binary semaphore: 代表現在是否有 process 在 critical section.

Counting semaphore: 正數代表 available resource 的數目;
負數代表有多少 process 在等待 resource.