

## Lec-20

Dining philosophen 1-3

( 5-ph.

D noodles

5 forks

Semaphores.

(1) each fulk — semaphore (Bringsema)

Semaphors fork [5] 2 | 3.

(2) Wai+() -> fork(i) => Ph(i) -> acquire.

3 Release() > frk(i) > frk > Release,

Ph [i] muten, wait (fork[i]); wait (fork [(i+1).).5]); Signal (fink [i]); Signal [fink(i+1)/5]); 11 mink 3 While (1)

