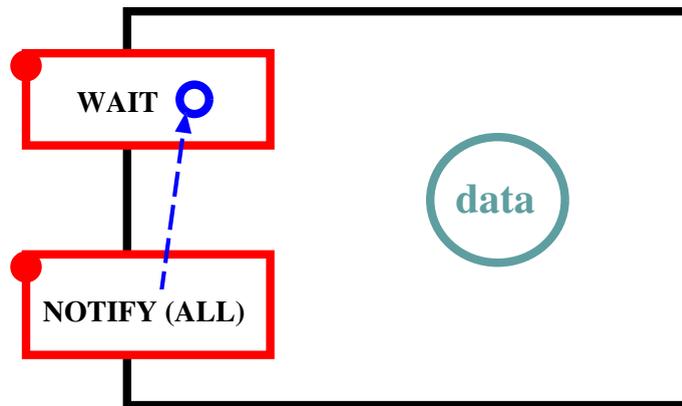


Java concurrency control constructs

SYNCHRONISED methods of an object execute under **MUTUAL EXCLUSION** with respect to all synchronised methods of the object



- mutual exclusion (to access shared counts)
- >○ condition synchronisation

implementation: a semaphore per object

CONDITION SYNCHRONISATION

(not very good)

WAIT (block, release exclusion on object)

NOTIFY (implementation frees an arbitrary thread)

NOTIFY ALL (implementation frees all threads

first to be scheduled gets in

they **MUST** retest the **WAIT** condition)