Sunday, August 28, 2016 11:48 PM

## Parallel execution needs:

Parallel tasks/work

synchrondzatión Multiple resources

Communication

why different?

Syndronization doesn't actually require

→ If we have communication, it does not mean we have ostablished synchronization.

Synchronization: Implicit (clock) Explicit

- Parallelian: draute - wires/registers/memory.

- circults operate concurrently (always)

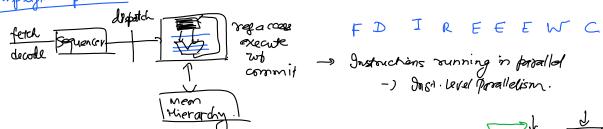
Synch:

tlandshake - explicit signals

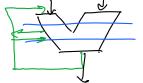
Cloac

wave-pipelined so removing clock in doign & narspulating delays

Simplified processor:



In addition to wires lregistors, communication through busces



Synchronization &w instructions: sequence of inst. (implicit)

000:

what changed? Synch of instructions. \_ scheduler will take come of it now.

& Software pipelines

Resources in basalled system

Mu