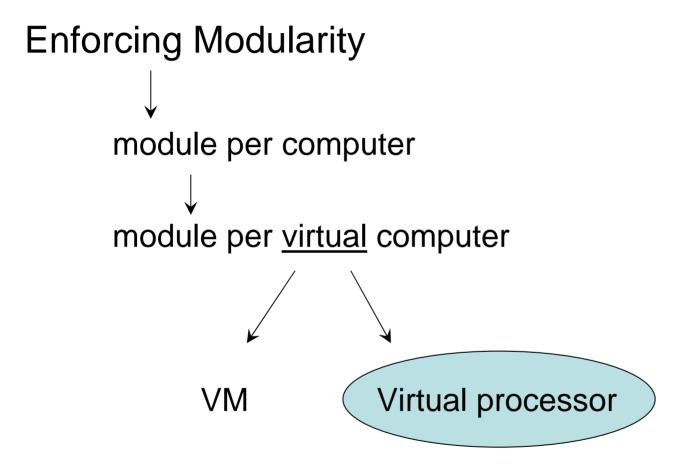
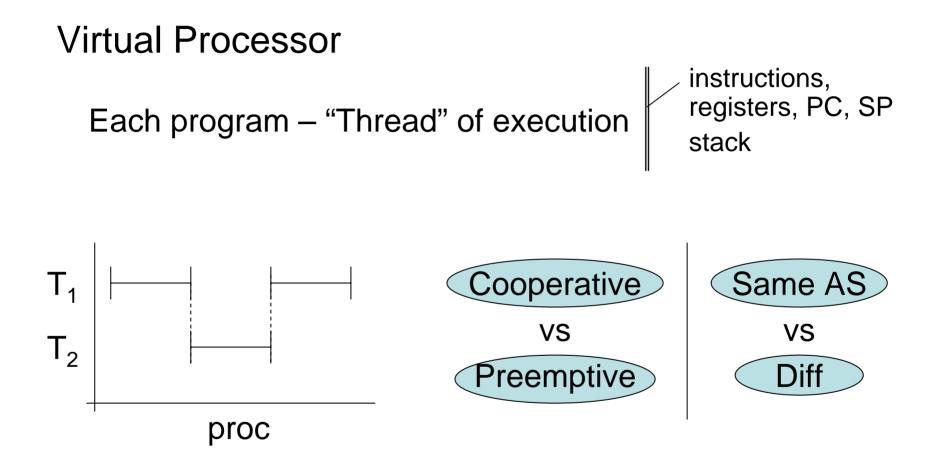
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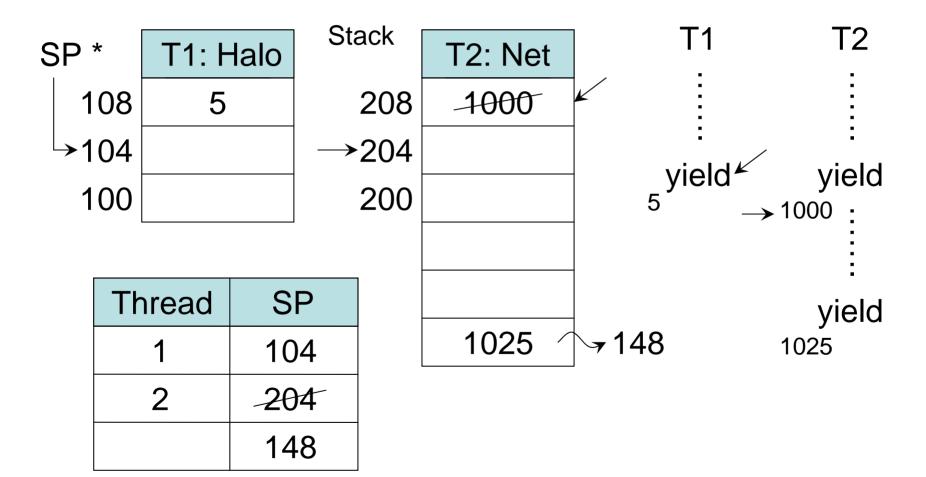
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```
Yield()
    yield {
        Save state
        Schedule next thread
        dispatch next thread
    }
int table[NUM_THREADS]
int next
int me \leftarrow local to thread
```

Stack Example



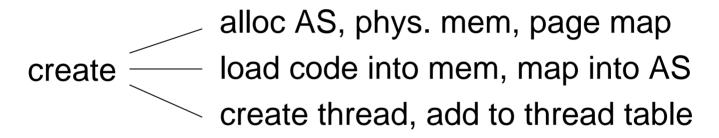
Preemptive scheduling (No explicit yield)

Timer interrupt Processor line checked by µProc before each instr If high, calls "gate"

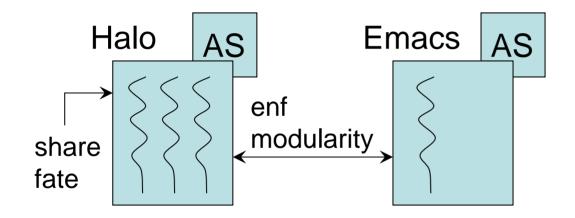
Kernel calls <u>yield()</u> on current thread Save state schedule + run next thread

Processes – AS + thread(s)

Kernel support



destroy \longrightarrow remove AS remove thread from table Layering of Threads

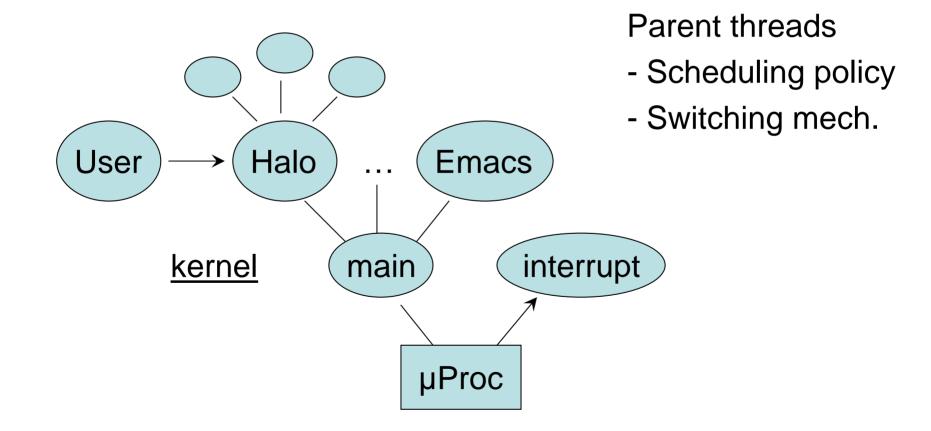


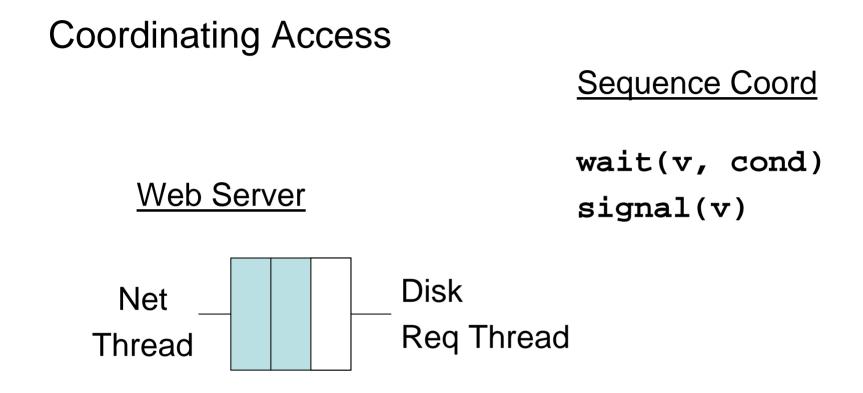
Parent threads

- Scheduling policy
- Switching mech.



Layering of Threads





```
while(true)
  while(empty());
  m = dequeue()
  process(m)
```

```
while(true)
    m = next_blk()
    while(full()){};
    enqueue(m)
```