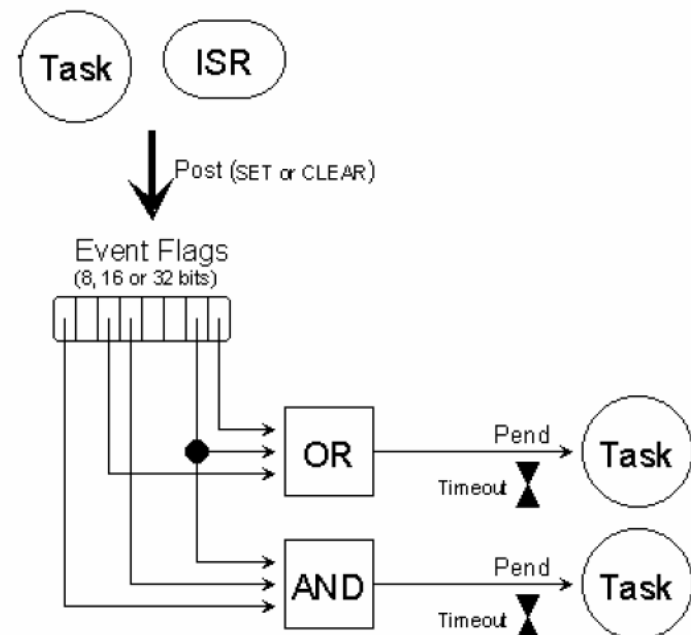


# Events: Synchronization devices

- “event”: boolean flag
- Multiple tasks can set it/wait for it
- A task can wait for multiple events
  - » AND and OR synchronization
- uCOS: Event flag groups
  - » See App Note



# Comparison of task synchronization tools

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- Semaphores:
  - » Fast and simple
  - » “Unstructured”
  - » Limited information is carried
- Events:
  - » Slightly more complex than semaphores
  - » Multiple tasks for one event
  - » One task for multiple events
- Queues:
  - » Pass “large” amounts of data
  - » Enqueuing/dequeuing data is expensive