

- **Think about it** ⌚: What is *fundamentally* different between I/O scheduling and process scheduling? (hint: why did we *abandon* algorithms like shortest remaining time first?)

- we can know how much work is remaining w/ disk I/O (# blocks)
- how many processes run concurrently?
 - how many I/O operations can run concurrently?
 - Fairness issues

RAID-4

xor

Xor

1 0 1 1 1 X 1 0

0 1 2 P P



Can we put these together in a RAID?

RAID 4:	Yes	No
RAID 1:	Yes	No
RAID 0:	Yes	No

↳ limited to size of smallest disk

Scenario 1: the data hoarder

RAID 0 Capacity ✓ don't care about reliability

RAID 1

RAID 0

4

RAID 4

4

Scenario 2: the gamer

RAID 0?

don't care about capacity

RAID 1

Speed?

RAID 4

don't care about reliability

Serial

random

Serial

random