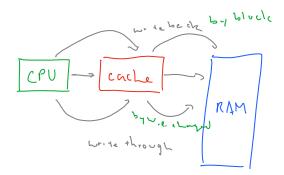
27 Associative Caches

Friday, November 6, 2015 10:02 AM



Put it off, maybe its never going to happen

Write misses

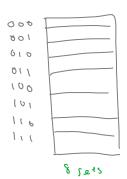
I don't really care for having this stuff in the cache later, its not required that I replace something in the cache

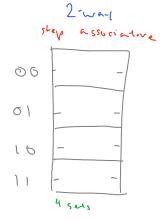
- · Write allocate
 - · Bring in the missing block from RAM
 - Write
 - Really only matches with write back
- No Write allocate
 - Ignore the fact that I'm missing the block
 - Write immediately to RAM, leave cache as is
 - Really only matches with write through

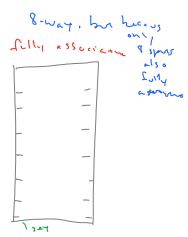
Associative Caches

Problem is thinking about ways to reduce the number of colisions in cache Only talking about direct mapped caches

In a direct mapped cache







Can make another policy decision More flexible block placemenet

More complicated H/W for parrallel searches







The one that was accessed least recently

S-bit window of history.

PAST SCICLUS, everyone appears to be
The same age

of the same age

random poly is also
her that bai