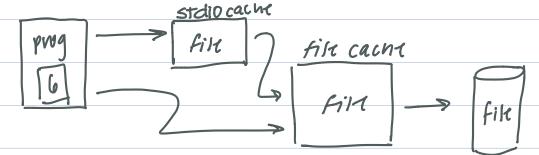
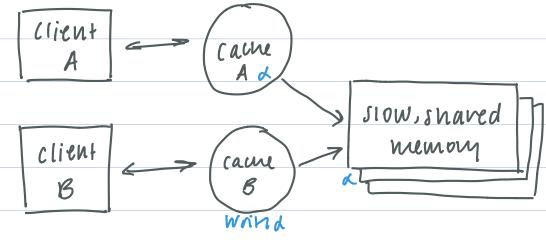
CS61 Lective 19: Last Storage

November 5.



Introcurron of Reads and Wrins



Cache concrene = memony system is concrent if

a read of data at addr & returns

The most recently written value to

addr &

different fd = different memony in hir cache

two Lawus, one cache (stdio) only worries about performance and not accuracy

- · Close FIVSHW data out to file
- hardware called should be comment

Another Cache	
addr d in	
Stower Storage	, ///
// 18003 involution+///	m caine ///
caone /// V	
whm n	time
as of thil in Manu	
in hm	
dirty slot = slot in cache that co	ntains data that 1s
newer man Slower storage	
Clean slot = slot in calha contain	
	1
hewer than slow sto	rage could be
	invohanut
Writhbalk caunis: Standard in	cache
- with elimination	
- slower storage only seed las	st wnite
- can act dirty slots	
win through carni:	
-lon optimization	
- try win goes to soon-s	Torage
- no dirty sots, many commen	
	TO ENST ()
Wish back - write through	
D-SYNC	
Mag	

Atomicity
an operation is atomic, it it appears to occur in an
indivisible instant in time
En unun you start, you Anish and norning
till happens in between
X86 call instruction: update /·rip, y.rsp,
old Y. rip on stack