

CSE131X

Ken Goldman x5-7542 kjg@cwustl.edu
Office M-Th 11:10-12

Note Title

8/29/2007

Wednesdays — Bryan 509

- Topics usually not in AP courses but are in 131

Fridays — Wilson 214

- First half — Quiz
- Seminar talks

Same grading scale as 131

131X students will be excused from some labs

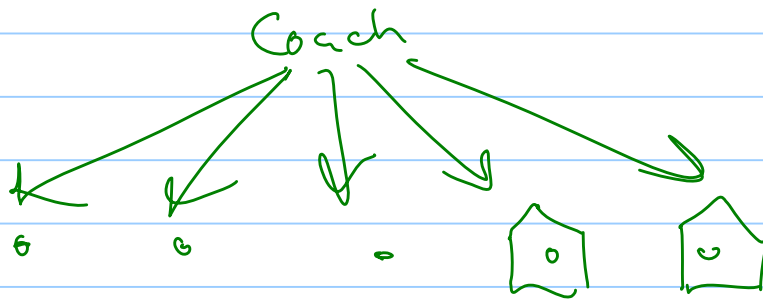
↳ Exams — 2nd chance

Programming \neq Computer Science

Algorithmic thinking:

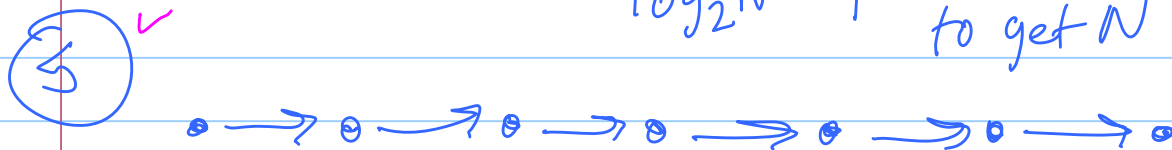
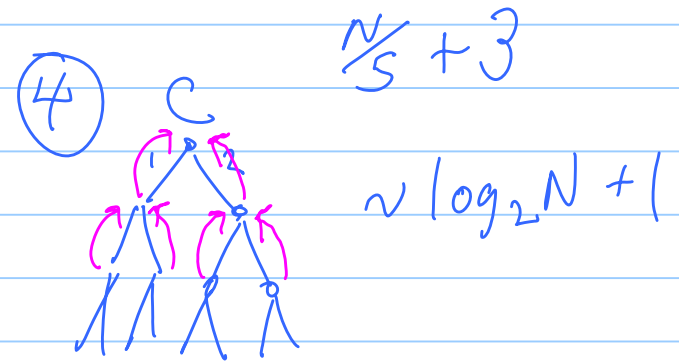
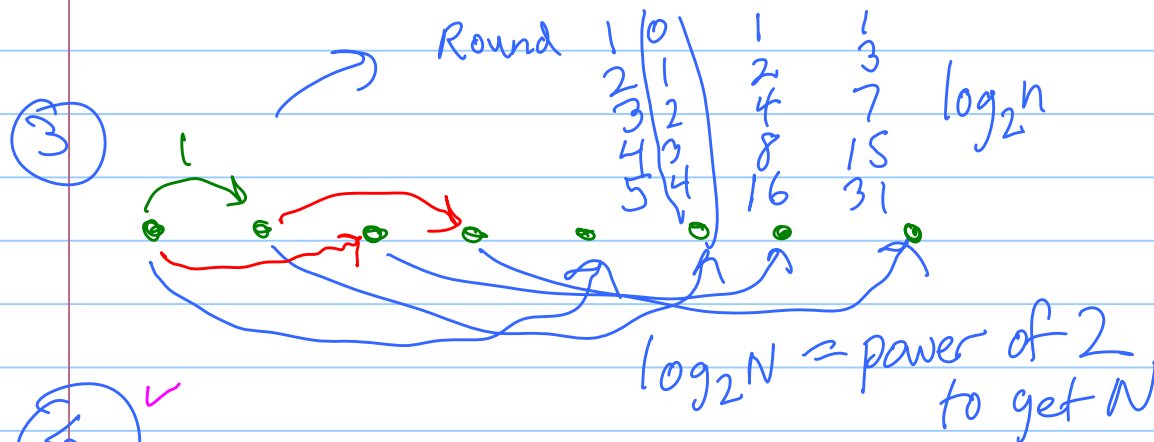
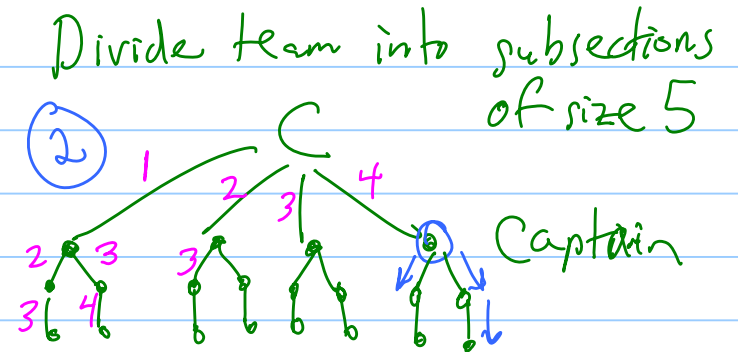
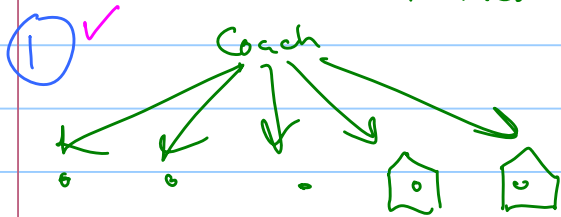
Problem: Soccer Cancellation Problem

Given: N players + a coach
each person has team roster
names + phone numbers



Problem: Soccer Cancellation Problem

Given: N players + a coach
 each person has team roster
 names + phone numbers



Measure: Total running time (# sequential calls):

Max work per person (# calls)

1	2	3	4	5
N	$\frac{N}{5} + 3$	$\log_2 N$	$\sim \log_2 N$	N
N	$N/5$	"	2	1