Bayu	Dennis	Josh	Walker
Queenie	Kaela	Peter	Tiansheng
Jac	Jiaqi	David	Jack
	Sabrina		
Alex			Cater
Ethan	Matt	Roody	Fahmid
Jameel	Charlotte	Mark	Will
	Katelyn	Paul	
	Youssef		

JB
Danzan
Kaylen

Franklin
Cynthia
Samantha

Hugo
Gretchen
Siyuan

Deen
Ding
Michael

Ruben
Corey
Jake

Jeff
Assadou
Leah
Isha

Majd
Axel
Ben

Peter
Wayne
Joe

Goals

- Describe structure/logic of inductive proof
- Write an inductive proof.

Announcements
- Self grading proofs
- TA question
- How is the schedule working?
- Group work reflection now mandatory…will be reading group reflections together.

Group Problem Solving

1. Put the sentences in the correct order
2. Find the errors in the proof
3. If you've finished, try writing an inductive proof that the sum of the first n odd numbers is n^2.

Inductive Proof Recipe:

- Set-up (need a predicate $P(n)$)
- Base Case
- Inductive Case (assume $P(k)$)
- Conclusion

Prove: $2^n - 1 \leq 3^n$ for all $n \geq 0$.