

Review and Extension — Size Arguments

Andres Buritica Monroy

1 Key concepts for this term

- WLOG
- Big divides small
- Dominant terms
- Graphical reasoning
- Relative growth rates of common functions
- Infinite descent
- Vieta jumping
- Pell equations
- Counting numbers in a range
- Dealing with floor functions

2 Homework

Solve and submit any three problems from the Problems sections of this term's handouts that weren't covered in class.

Also complete the feedback form: <https://forms.gle/fR78jMzBeHKWy7nM7>