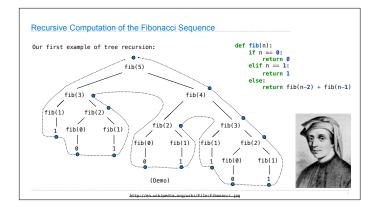
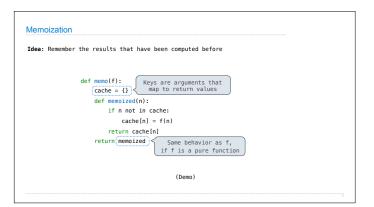
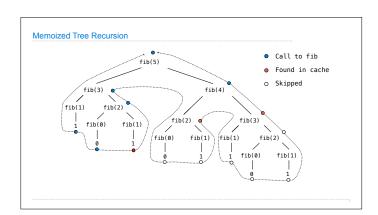


Measuring Efficiency



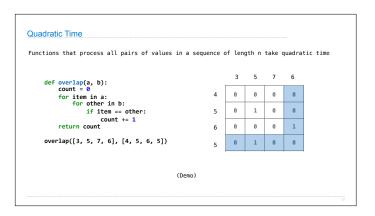
Memoization

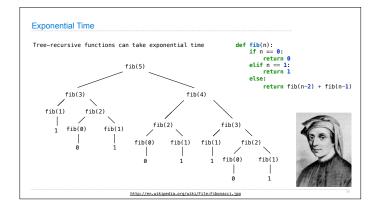


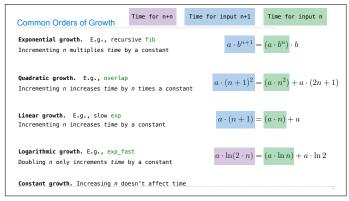


Exponentiation

Orders of Growth







## Space

## Space and Environments Which environment frames do we need to keep during evaluation? At any moment there is a set of active environments Values and frames in active environments consume memory Memory that is used for other values and frames can be recycled Active environments: -Environments for any function calls currently being evaluated -Parent environments of functions named in active environments (Demo)

