

## Recursion



## Preliminaries and Objectives

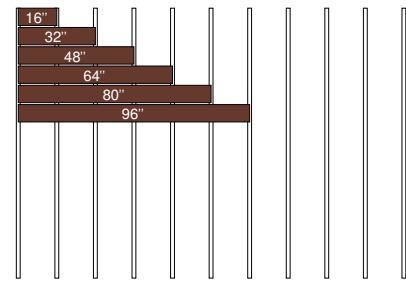
### Preliminaries

- None

### Objectives

- Understand recursive processes.

## Example 1 - Building a Deck



## Example 2 - Retirement Fund

Age	Value
30	\$10,000.00
31	\$10,400.00
32	\$10,816.00
33	\$11,248.64
34	\$11,698.58
35	\$12,166.52
⋮	⋮
55	\$26,658.36

## Example 3 - Car Loan

- 1 Current Amount Owed
- 2 Calculate Interest
- 3 Add Interest to Amount Owed
- 4 Make Monthly Payment
- 5 Subtract Monthly Payment
- 6 Next Month's Amount Owed
- 7 Repeat