

MEETING VII

VARIABLES

FIELD TRIP I: CODEDAY SV

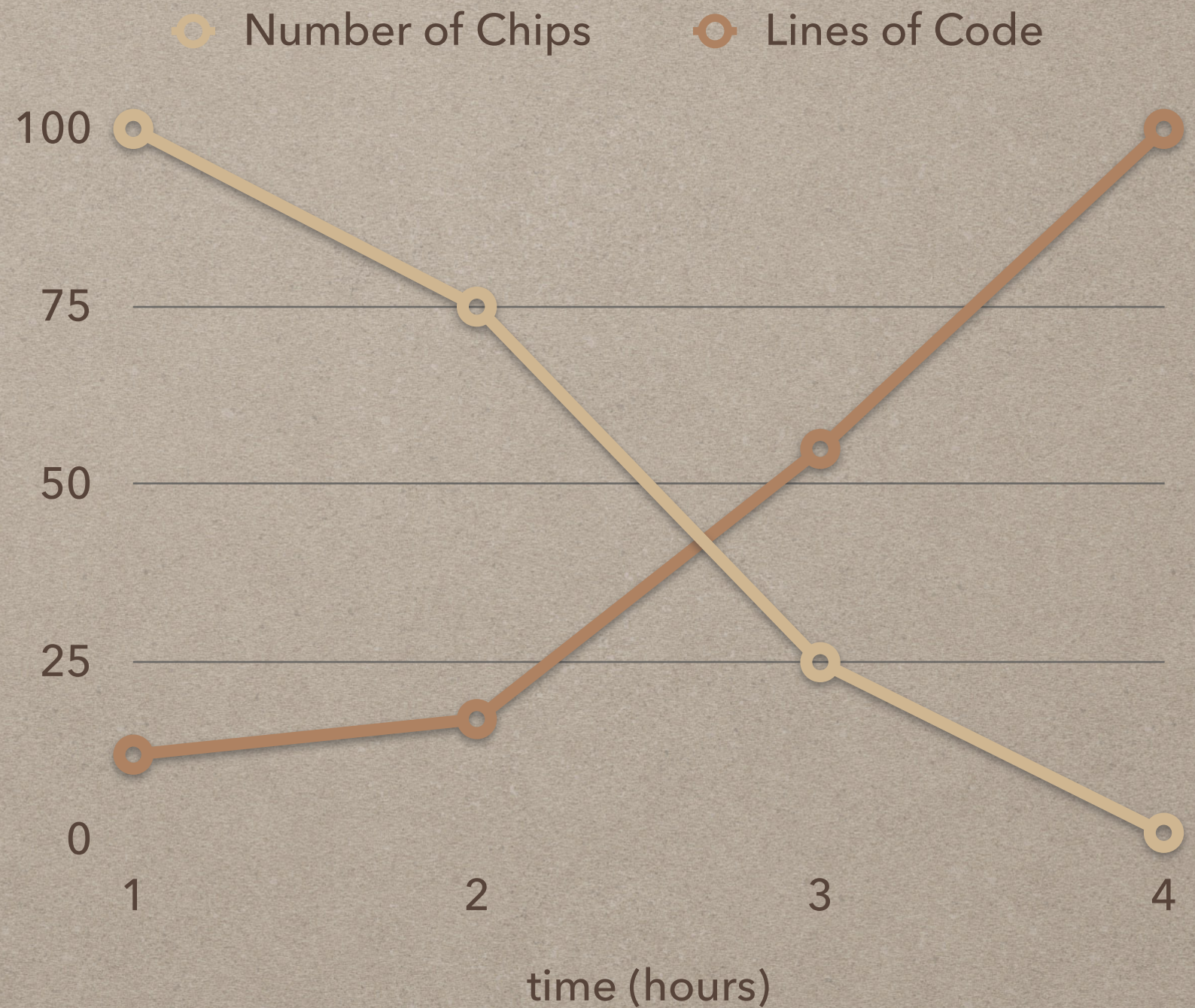
- November 8-9 – noon to noon
 - Disney Interactive
 - 500 Terry A Francois Blvd,
 - San Francisco CA 94158, US
- \$10 early-bird
- \$20 normal

BEYOND PROGRAMMING CLUB

- check out that AR-Drone API – write a program that we can use for *Club Faire*
- work on CodeHS at home: you have *premium* accounts!
- check out resources featured at bento.io
- *female members*, check out GWC, just a 15 minute walk away from campus – <http://j.mp/gwcclub>

REMEMBER ALGEBRA?

- $y = mx + b$
- position vs *time*



DECLARATION

- a single item box
 - make the box
 - put item inside
- `var variable;`
 - `variable = 5;`

REDEFINITION

- a single item box
 - take item out
 - put item inside
- `var variable;`
 - `variable = 5;`
 - `variable = 6;`

CONTENTS

- a single item box
 - only so large
 - fit few specific things
- `var bool;`
 - `var s;`
 - `var n;`
 - `bool = true;`
 - `s = "Go Bearcats";`
 - `n = 421;`

OPERATIONS

- addition
 - subtraction
 - multiplication
 - division
 - modulo
- `var x, y, z, s, a;`
 - `x = 4, y = 2, z = 1;`
 - `s = "string", a = "a";`
 - `var j = x + y;`
 - `var k = z / y;`
 - `var l = x % y;`
 - `var s = s + a;`

OPERATIONS

- `var x, y, z, s, a;`
- `x = 4, y = 2, z = 1;`
- `s = "string", a = "a";`
- `var j = x + y;`
- `var k = z / y;`
- `var l = x % y;`
- `s = s + " " + a;`
- `come to board`
- answers
- `j = 6`
- `k = 1/2`
- `l = 0`
- `s = "stringa"`

Homework

review example code and do the exercise

*use class code **0293** for CodeHS!*