

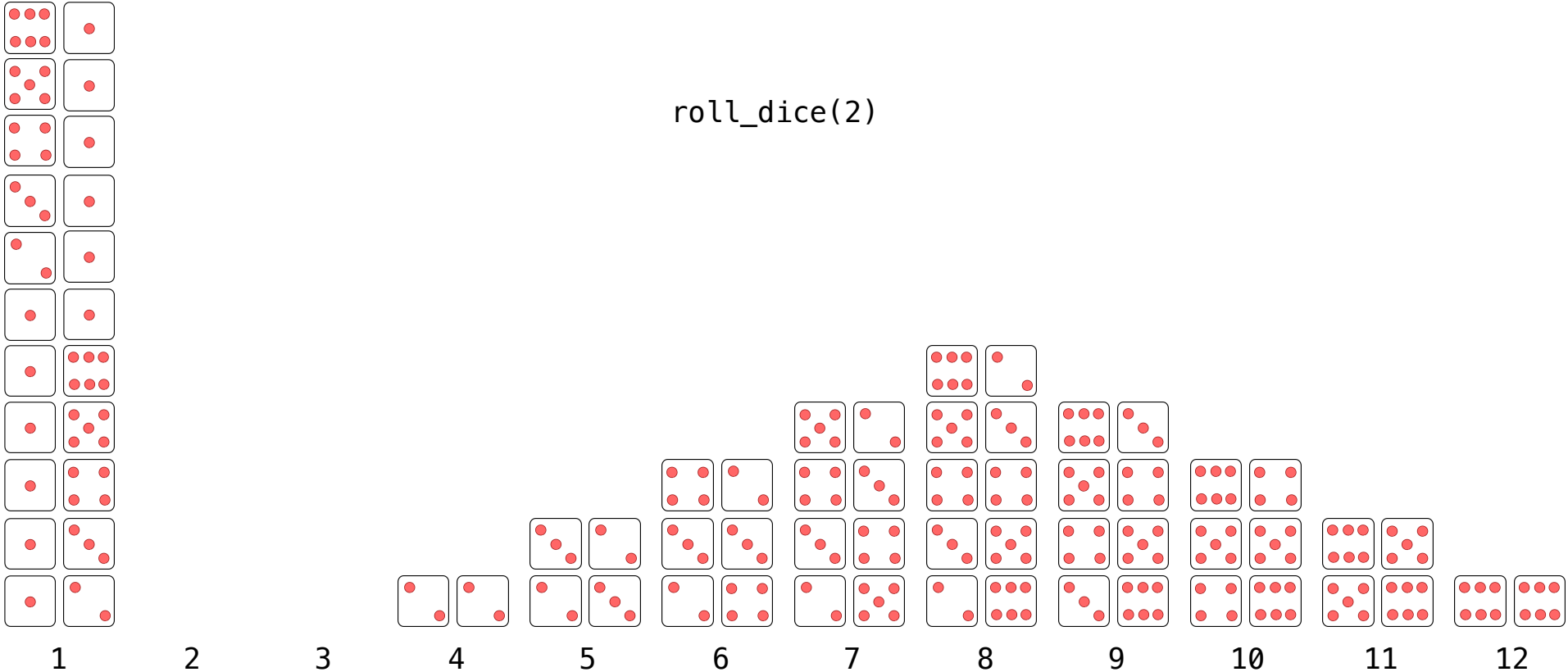
61A Extra Lecture 2

Announcements

cs61a.org/extra.html

Dice

Exact Chances for Rolling Dice



roll_dice(2)

(Demo)

Hog: The End Game

You: 99
Them: 99

You: 88
Them: 99

You: 80
Them: 99

What is the chance that I'll score *at least* k points rolling n six-sided dice?

(Demo)

Memoization

(Demo)

Twenty-One Rules

Two players alternate turns, on which they can add 1, 2, or 3 to the current total

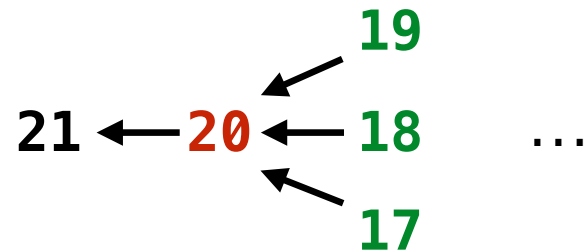
The total starts at 0

The game end whenever the total is 21 or more

The last player to add to the total loses

Some states are good; some are bad

(Demo)



(Demo)