

Hog Contest Rules

- Up to two people submit one entry; Max of one entry per person
- Your score is the number of entries against which you win more than 50.00001% of the time
 Strategies are time-limited
- All strategies must be deterministic, pure functions of the players' scores
- Winning entries will receive a paltry amount of extra credit
- The real prize: honor and glory
- See website for detailed rules

Fall 2011 Winners

Keegan Mann Yan Duan & Ziming Li Brian Prike & Zhenghao Qian Parker Schuh & Robert Chatham

Fall 2012 Winners

Chenyang Yuan Joseph Hui

Fall 2013 Winners

Paul Bramsen Sam Kumar & Kangsik Lee Kevin Chen

Fall 2014 Winners

Alan Tong & Elaine Zhao Zhenyang Zhang Adam Robert Villaflor & Joany Gao Zhen Qin & Dian Chen Zizheng Tai & Yihe Li

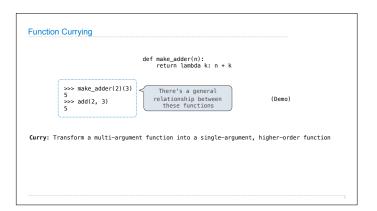
cs61a.org/proj/hog contest

Hog Contest Winners Fall 2017 Winners Spring 2015 Winners Sinho Chewi & Alexander Nguyen Tran Alex Yu and Tanmay Khattar James Li Justin Yokota Zhaoxi Li Stella Tao and Yao Ge Fall 2015 Winners Spring 2018 Winners Micah Carroll & Vasilis Oikonomou Matthew Wu Anthony Yeung and Alexander Dai Eric James Michaud Ziyu Dong Xuhui Zhou Spring 2016 Winners Michael McDonald and Tianrui Chen Andrei Kassiantchouk Benjamin Krieges Fall 2018 Winners Rahul Arya Jonathan Bodine Sumer Kohli and Neelesh Ramachandran Fall 2016 Winners

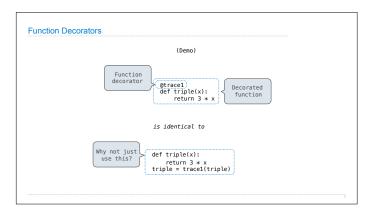
Fall 2019 Winners

Cindy Jin and Sunjoon Lee Anny Patino and Christian Vasquez Asana Choudhury and Jenna Wen Michelle Lee and Nicholas Chew

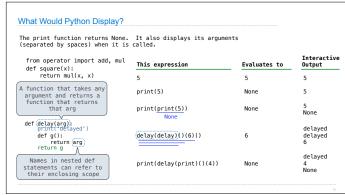
Currying

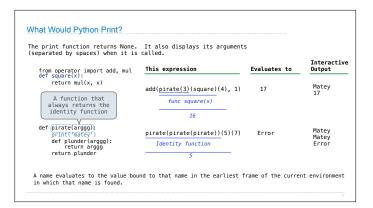


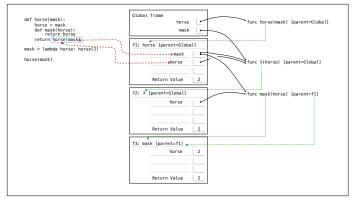




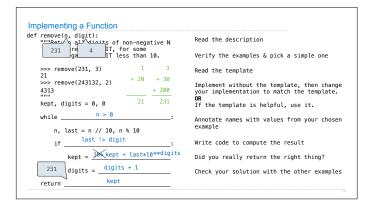








Implementing Functions



```
Implementing a Function
def remove(n, digit):

all Addinits of non-negative N

re 31 TI, for some
ga IT less than 10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Read the description
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Verify the examples & pick a simple one
                                    >>> remove(231, 3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Read the template
                                                                      remove(243132, 2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Implement without the template, then change your implementation to match the template. \ensuremath{\text{OR}} If the template is helpful, use it.
                                       4313
                                       kept, digits = 0, 0
                                       while _____n > 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Annotate names with values from your chosen example % \left( 1\right) =\left( 1\right) \left( 1\right) \left
                                                                      n, last = n // 10, n % 10
                                                                      if ____last != digit
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Write code to compute the result
                                                                                                             kept = kept/10 + last
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Did you really return the right thing?
                                                                                           digits = __digits + 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Check your solution with the other examples
                                                                                                                  round(kept * 10 ** (digits-1))
                                       return
```