Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 8 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3, 1, 5, 6)

>>> averaged\_dice = make\_averaged(dice, 1000)

>>> # Average of calling dice 1000 times

>>> averaged\_dice()

TypeError: 'float' object is not callable

# Error: expected

# 3.75

# but got

# Traceback (most recent call last):

# ...

# TypeError: 'float' object is not callable

Run only this test case with "python3 ok -q 08 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

2 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 08 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 8 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3, 1, 5, 6)

>>> averaged\_dice = make\_averaged(dice, 1000)

>>> # Average of calling dice 1000 times

>>> averaged\_dice()

Traceback (most recent call last):

File "E:\Users\黄子豪\Desktop\cs61a\hog\hog.py", line 263, in average

while i<total\_samples:

^

UnboundLocalError: cannot access local variable 'i' where it is not associated with a value

# Error: expected

# 3.75

# but got

# Traceback (most recent call last):

# ...

# UnboundLocalError: cannot access local variable 'i' where it is not associated with a value

Run only this test case with "python3 ok -q 08 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

2 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 08 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 8 > Suite 2 > Case 2

>>> from hog import \*

>>> dice = make\_test\_dice(3, 1, 5, 6)

>>> averaged\_roll\_dice = make\_averaged(roll\_dice, 1000)

>>> # Average of calling roll\_dice 1000 times

>>> # Enter a float (e.g. 1.0) instead of an integer

>>> averaged\_roll\_dice(2, dice)

Traceback (most recent call last):

File "E:\Users\黄子豪\Desktop\cs61a\hog\hog.py", line 265, in average

sum+=original\_function()

^^^^^^^^^^^^^^^^^^^

TypeError: roll\_dice() missing 1 required positional argument: 'num\_rolls'

# Error: expected

# 6.0

# but got

# Traceback (most recent call last):

# ...

# TypeError: roll\_dice() missing 1 required positional argument: 'num\_rolls'

Run only this test case with "python3 ok -q 08 --suite 2 --case 2"

---------------------------------------------------------------------

Test summary

3 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 08 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Test summary

7 test cases passed! No cases failed.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 -u --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Unlocking tests

At each "? ", type what you would expect the output to be.

Type exit() to quit

---------------------------------------------------------------------

Question 9 > Suite 1 > Case 1

(cases remaining: 10)

Q: If multiple num\_rolls are tied for the highest scoring

average, which should you return?

Choose the number of the correct choice:

0) The highest num\_rolls

1) A random num\_rolls

2) The lowest num\_rolls

? 2

-- OK! --

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 1

(cases remaining: 9)

>>> from hog import \*

>>> dice = make\_test\_dice(3) # dice always returns 3

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

? 1

-- Not quite. Try again! --

? 0

-- Not quite. Try again! --

? 1

-- Not quite. Try again! --

? 10

-- OK! --

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 2

(cases remaining: 8)

-- Already unlocked --

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 3

(cases remaining: 7)

-- Already unlocked --

---------------------------------------------------------------------

Question 9 > Suite 3 > Case 1

(cases remaining: 6)

>>> from hog import \*

>>> dice = make\_test\_dice(2) # dice always rolls 2

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

? 1

-- Not quite. Try again! --

? 10

-- OK! --

---------------------------------------------------------------------

Question 9 > Suite 3 > Case 2

(cases remaining: 5)

>>> from hog import \*

>>> dice = make\_test\_dice(1) # dice always rolls 1

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

? 1

-- OK! --

---------------------------------------------------------------------

Question 9 > Suite 3 > Case 3

(cases remaining: 4)

>>> from hog import \*

>>> dice = make\_test\_dice(1, 2) # dice alternates 1 and 2

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

? 1

---------------------------------------------------------------------

Question 9 > Suite 3 > Case 4

(cases remaining: 3)

-- Already unlocked --

---------------------------------------------------------------------

Question 9 > Suite 3 > Case 5

(cases remaining: 2)

-- Already unlocked --

---------------------------------------------------------------------

Question 9 > Suite 3 > Case 6

(cases remaining: 1)

-- Already unlocked --

---------------------------------------------------------------------

OK! All cases for Question 9 unlocked.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3) # dice always returns 3

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

# Error: expected

# 10

# but got

Run only this test case with "python3 ok -q 09 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

1 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3) # dice always returns 3

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

<function max\_scoring\_num\_rolls.<locals>.calculate at 0x0000015F936ECB80>

# Error: expected

# 10

# but got

# <function max\_scoring\_num\_rolls.<locals>.calculate at 0x0000015F936ECB80>

Run only this test case with "python3 ok -q 09 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

1 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3) # dice always returns 3

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

<function max\_scoring\_num\_rolls.<locals>.calculate at 0x00000188D14DCB80>

# Error: expected

# 10

# but got

# <function max\_scoring\_num\_rolls.<locals>.calculate at 0x00000188D14DCB80>

Run only this test case with "python3 ok -q 09 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

1 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 3

>>> from hog import \*

>>> dice = make\_test\_dice(\*([2] \* 55 + [1, 2] \* 500)) # test that you are actually using total\_samples

>>> max\_scoring\_num\_rolls(dice, total\_samples=1) # dice is 2 for the first 55 rolls, then is 1 followed by 2 for 1000 rolls

1

# Error: expected

# 10

# but got

# 1

Run only this test case with "python3 ok -q 09 --suite 2 --case 3"

---------------------------------------------------------------------

Test summary

3 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3) # dice always returns 3

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

1

# Error: expected

# 10

# but got

# 1

Run only this test case with "python3 ok -q 09 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

1 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog>

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 3

>>> from hog import \*

>>> dice = make\_test\_dice(\*([2] \* 55 + [1, 2] \* 500)) # test that you are actually using total\_samples

>>> max\_scoring\_num\_rolls(dice, total\_samples=1) # dice is 2 for the first 55 rolls, then is 1 followed by 2 for 1000 rolls

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 2

>>> from hog import \*

>>> dice = make\_test\_dice(1, 2, 2, 2, 2, 2, 2, 2)

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

7

# Error: expected

# 4

# but got

# 7

Run only this test case with "python3 ok -q 09 --suite 2 --case 2"

---------------------------------------------------------------------

Test summary

2 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

# 4

# but got

# 7

Run only this test case with "python3 ok -q 09 --suite 2 --case 2"

---------------------------------------------------------------------

Test summary

2 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

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Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 1

>>> from hog import \*

>>> dice = make\_test\_dice(3) # dice always returns 3

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

2

# Error: expected

# 10

# but got

# 2

Run only this test case with "python3 ok -q 09 --suite 2 --case 1"

---------------------------------------------------------------------

Test summary

1 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 2

>>> from hog import \*

>>> dice = make\_test\_dice(1, 2, 2, 2, 2, 2, 2, 2)

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

7

# Error: expected

# 4

# but got

# 7

Run only this test case with "python3 ok -q 09 --suite 2 --case 2"

---------------------------------------------------------------------

Test summary

2 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 9 > Suite 2 > Case 2

>>> from hog import \*

>>> dice = make\_test\_dice(1, 2, 2, 2, 2, 2, 2, 2)

>>> max\_scoring\_num\_rolls(dice, total\_samples=1000)

DEBUG 3.25

DEBUG 4.125

DEBUG 4.5

DEBUG 4.375

DEBUG 3.75

DEBUG 2.625

DEBUG 1.0

DEBUG 1.0

DEBUG 1.0

7

# Error: expected

# 4

# but got

# 7

Run only this test case with "python3 ok -q 09 --suite 2 --case 2"

---------------------------------------------------------------------

Test summary

2 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 09 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Test summary

10 test cases passed! No cases failed.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python hog.py -r

Max scoring num rolls for six-sided dice: 6

always\_roll(6) win rate: 0.499

catch\_up win rate: 0.503

always\_roll(3) win rate: 0.374

always\_roll(8) win rate: 0.47

tail\_strategy win rate: 0.486

square\_strategy win rate: 0.5045000000000001

final\_strategy win rate: 0.5015

PS E:\Users\黄子豪\Desktop\cs61a\hog> python3 hog.py -r

PS E:\Users\黄子豪\Desktop\cs61a\hog> python hog.py -r

Max scoring num rolls for six-sided dice: 7

always\_roll(6) win rate: 0.4955

catch\_up win rate: 0.5075

always\_roll(3) win rate: 0.37650000000000006

always\_roll(8) win rate: 0.47550000000000003

tail\_strategy win rate: 0.49650000000000005

square\_strategy win rate: 0.49949999999999994

final\_strategy win rate: 0.46950000000000003

PS E:\Users\黄子豪\Desktop\cs61a\hog> python hog.py -r

Max scoring num rolls for six-sided dice: 5

always\_roll(6) win rate: 0.488

catch\_up win rate: 0.4965

always\_roll(3) win rate: 0.375

always\_roll(8) win rate: 0.475

tail\_strategy win rate: 0.524

square\_strategy win rate: 0.49950000000000006

final\_strategy win rate: 0.5165

PS E:\Users\黄子豪\Desktop\cs61a\hog> python hog.py -r

Max scoring num rolls for six-sided dice: 6

always\_roll(6) win rate: 0.498

catch\_up win rate: 0.499

always\_roll(3) win rate: 0.387

always\_roll(8) win rate: 0.45899999999999996

tail\_strategy win rate: 0.49750000000000005

square\_strategy win rate: 0.48950000000000005

final\_strategy win rate: 0.51

PS E:\Users\黄子豪\Desktop\cs61a\hog> python hog.py -r

Max scoring num rolls for six-sided dice: 5

always\_roll(6) win rate: 0.48850000000000005

catch\_up win rate: 0.5249999999999999

always\_roll(3) win rate: 0.3845

always\_roll(8) win rate: 0.45799999999999996

tail\_strategy win rate: 0.497

square\_strategy win rate: 0.49650000000000005

final\_strategy win rate: 0.516

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 10 -u --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Unlocking tests

At each "? ", type what you would expect the output to be.

Type exit() to quit

---------------------------------------------------------------------

Question 10 > Suite 1 > Case 1

(cases remaining: 5)

>>> from hog import \*

>>> tail\_strategy(40, 51, threshold=7, num\_rolls=2)

? 0

-- OK! --

---------------------------------------------------------------------

Question 10 > Suite 1 > Case 2

(cases remaining: 4)

>>> from hog import \*

>>> tail\_strategy(40, 53, threshold=7, num\_rolls=2)

? 2

-- OK! --

---------------------------------------------------------------------

Question 10 > Suite 1 > Case 3

(cases remaining: 3)

>>> from hog import \*

>>> tail\_strategy(40, 51, threshold=12, num\_rolls=5)

? 5

-- OK! --

---------------------------------------------------------------------

Question 10 > Suite 1 > Case 4

(cases remaining: 2)

>>> from hog import \*

>>> tail\_strategy(40, 52, threshold=7, num\_rolls=2)

? 0

-- OK! --

---------------------------------------------------------------------

Question 10 > Suite 1 > Case 5

(cases remaining: 1)

-- Already unlocked --

---------------------------------------------------------------------

OK! All cases for Question 10 unlocked.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 10 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Test summary

5 test cases passed! No cases failed.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 11 -u --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Unlocking tests

At each "? ", type what you would expect the output to be.

Type exit() to quit

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 1

(cases remaining: 5)

>>> from hog import \*

>>> square\_strategy(40, 51, threshold=7, num\_rolls=2)

? 0

-- OK! --

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 2

(cases remaining: 4)

>>> from hog import \*

>>> square\_strategy(40, 53, threshold=7, num\_rolls=2)

? 2

-- OK! --

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 3

(cases remaining: 3)

>>> from hog import \*

>>> square\_strategy(44, 53, threshold=7, num\_rolls=2)

? 0

-- OK! --

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 4

(cases remaining: 2)

>>> from hog import \*

>>> square\_strategy(44, 53, threshold=12, num\_rolls=5)

? 0

-- OK! --

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 5

(cases remaining: 1)

-- Already unlocked --

---------------------------------------------------------------------

OK! All cases for Question 11 unlocked.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 11 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 5

>>> from hog import \*

>>> s = 0

>>> while s < 100:

... if square\_update(0, 20, s) - 20 >= 10:

... assert square\_strategy(20, s, threshold=10, num\_rolls=3) == 0

... else:

... assert square\_strategy(20, s, threshold=10, num\_rolls=3) == 3

... s += 1

AssertionError

# Error: expected

# but got

# Traceback (most recent call last):

# ...

# AssertionError:

Run only this test case with "python3 ok -q 11 --suite 1 --case 5"

---------------------------------------------------------------------

Test summary

4 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 11 --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Question 11 > Suite 1 > Case 5

>>> from hog import \*

>>> s = 0

>>> while s < 100:

... if square\_update(0, 20, s) - 20 >= 10:

... assert square\_strategy(20, s, threshold=10, num\_rolls=3) == 0

... else:

... assert square\_strategy(20, s, threshold=10, num\_rolls=3) == 3

... s += 1

AssertionError

# Error: expected

# but got

# Traceback (most recent call last):

# ...

# AssertionError:

Run only this test case with "python3 ok -q 11 --suite 1 --case 5"

---------------------------------------------------------------------

Test summary

4 test cases passed before encountering first failed test case

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 11 --local

=====================================================================

5 test cases passed! No cases failed.

Cannot backup when running ok with --local.

PS E:\Users\黄子豪\Desktop\cs61a\hog> python hog.py -r

Max scoring num rolls for six-sided dice: 5

always\_roll(6) win rate: 0.5085

catch\_up win rate: 0.492

always\_roll(3) win rate: 0.372

always\_roll(8) win rate: 0.47650000000000003

tail\_strategy win rate: 0.5740000000000001

square\_strategy win rate: 0.6279999999999999

final\_strategy win rate: 0.5265

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok -q 12

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Running tests

---------------------------------------------------------------------

Test summary

1 test cases passed! No cases failed.

Performing authentication

Please enter your school email (.edu): exit()

PS E:\Users\黄子豪\Desktop\cs61a\hog> python ok --score --local

=====================================================================

Assignment: Project 1: Hog

OK, version v1.18.1

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Scoring tests

---------------------------------------------------------------------

Question 0

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 1

Passed: 3

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 2

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 3

Passed: 2

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 4

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 5

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 6

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 7

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 8

Passed: 2

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 9

Passed: 2

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 10

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 11

Passed: 1

Failed: 0

[ooooooooook] 100.0% passed

---------------------------------------------------------------------

Question 12

Passed: 0

Failed: 0

[k..........] 0.0% passed

---------------------------------------------------------------------

Point breakdown

Question 0: 0.0/0

Question 1: 2.0/2

Question 2: 2.0/2

Question 3: 2.0/2

Question 4: 1.0/1

Question 5: 5.0/5

Question 6: 2.0/2

Question 7: 2.0/2

Question 8: 2.0/2

Question 9: 2.0/2

Question 10: 2.0/2

Question 11: 2.0/2

Question 12: 0.0/0

Score:

Total: 24.0