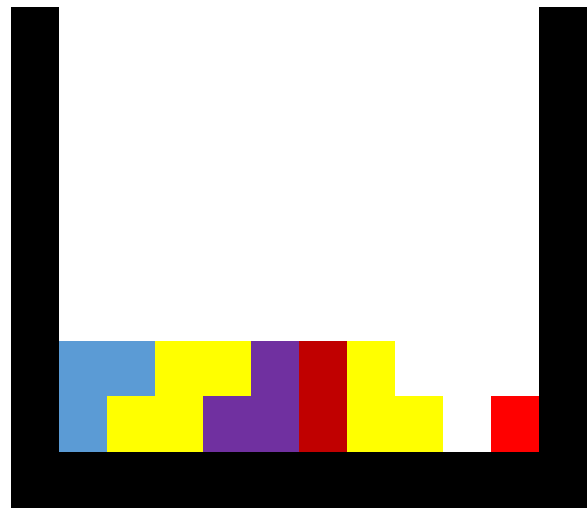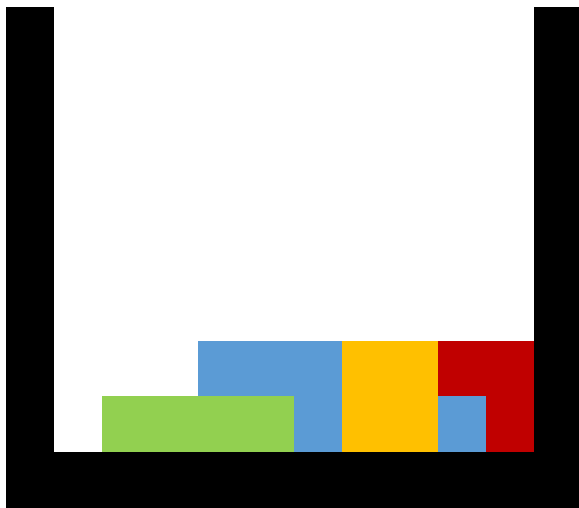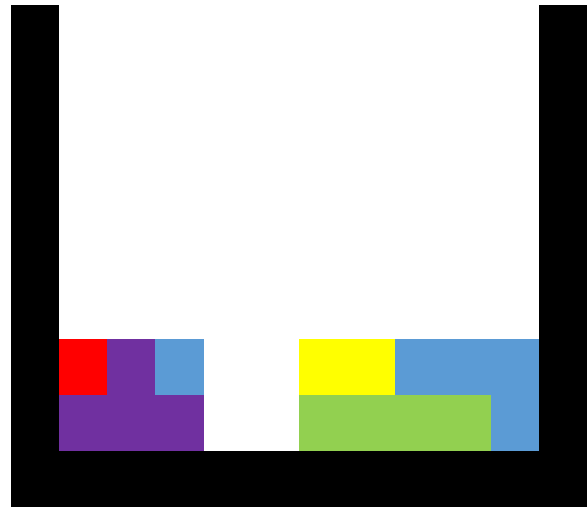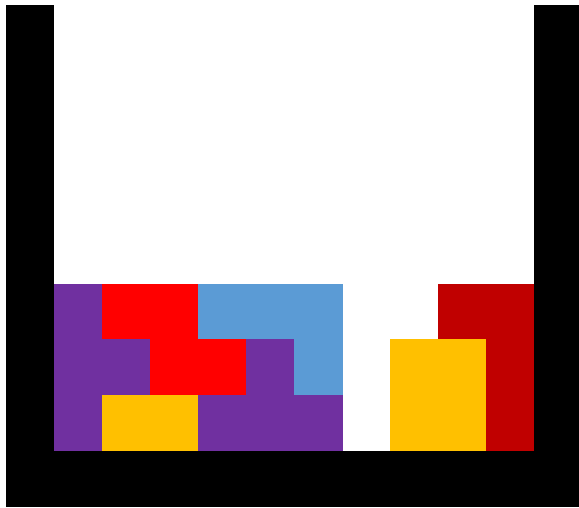CS50 Presents

CS50 Educator Workshop 2023 Puzzles

with thanks to our friends at Meta

- This packet contains 3 puzzles from past CS50x Puzzle Days.

- The answer to each puzzle is a single word or name in English.

- You may use the internet and any other resources at your disposal.

- You are encouraged to work on a team!

- Have fun and good luck!

#1: We All Fall Down

Answer: _____

#1: *Logic Gate*

Four college students, one from each year, are working on their programming assignments in the computer lab at four adjacent computer terminals. Can you figure out everyone's information?

		Year				Terminal			
		Freshman	Sophomore	Junior	Senior	#8	#9	#10	#11
Name	Alice	C	M	A	A	R	U	L	I
	Bob	L	P	R	C	C	H	H	T
	Charlie	A	I	I	U	T	T	I	N
	Diane	E	T	U	A	M	B	S	C
Terminal	#8	O	E	T	K				
	#9	R	U	I	A				
	#10	N	I	R	R				
	#11	E	D	G	C				

Student	Year	Terminal

- *The student sitting at Terminal #8 has been in college longer than Charlie.*
- *Diane is a Freshman.*
- *Charlie is sitting at Terminal #9.*
- *Alice is one year behind the student sitting at Terminal #10.*

Answer: _____

#10: Just a Little Bit

31	6	2	111	7

65	3	18	0	1

11	21	2	10	1	13

46	9	37	3	1

2	29	8	21	1	5

16	2	4	13	1

127	42	127

0	1	7	64	0

1	10	13	17	6	6

2	6	22	0	6	15

45	59	5

7	1	40	4	2	4	0

20	9	2	11	6

0	3	17	3

15	14	16	10	8

32	2	15	24

5	105	1	9	21

11	5	9	0	2	7

1	58	0	16	9

8	1	1	1	1	1	1

3	7	54	12	28	0

Answer: _____