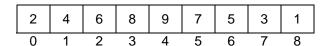
Logic Quiz

Read the instructions and solve the puzzle.

Example



There are 9 boxes in the figure above, numbered 0 through 8. Box 0 contains the number 2. Box 1 contains the number 4. Below is a list of instructions. Each instruction has a number. Always start with instruction 1 and follow the instructions in numeric order unless directed to go to another instruction. Continue until you are directed to stop.

- 1. Add 3 to the contents of box 6 and place the result in box 6.
- 2. Subtract the contents of box 0 from the contents of box 6 and place the result in box 6.
- 3. Subtract 1 from the contents of box 7 and place the result in box 7.
- 4. If the contents of box 7 is zero, goto instruction 6.
- 5. Go to instruction 1.
- 6. Stop and indicate the contents of box 6:

Do not turn the page until directed to continue.

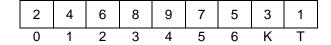
Problem 1

2	4	6	8	9	7	5	3	1
0	1	2	3	4	5	6	7	8

- 1. Copy the contents of box 1 to box 3.
- 2. Copy the contents of box 2 to box 1.
- 3. Copy the contents of box 3 to box 2.
- 4. Stop and indicate the contents of box 1 _____ and box 2 ____

What does this program do to boxes 1 and 2?

Problem 2



- 1. Place a 0 in box T.
- 2. Place a 0 in box K.
- 3. If the contents of box K is less than 3, go to instruction 5.
- 4. Go to instruction 8.
- 5. Add the contents of the box whose address is in box K to the contents of box T and place the result in box T.
- 6. Add 1 to box K and place the result in box K.
- 7. Go to instruction 3.
- 8. Stop and indicate the contents of box T: _____

What does the final number in box T represent?