



Candidate Assessment Questionnaire

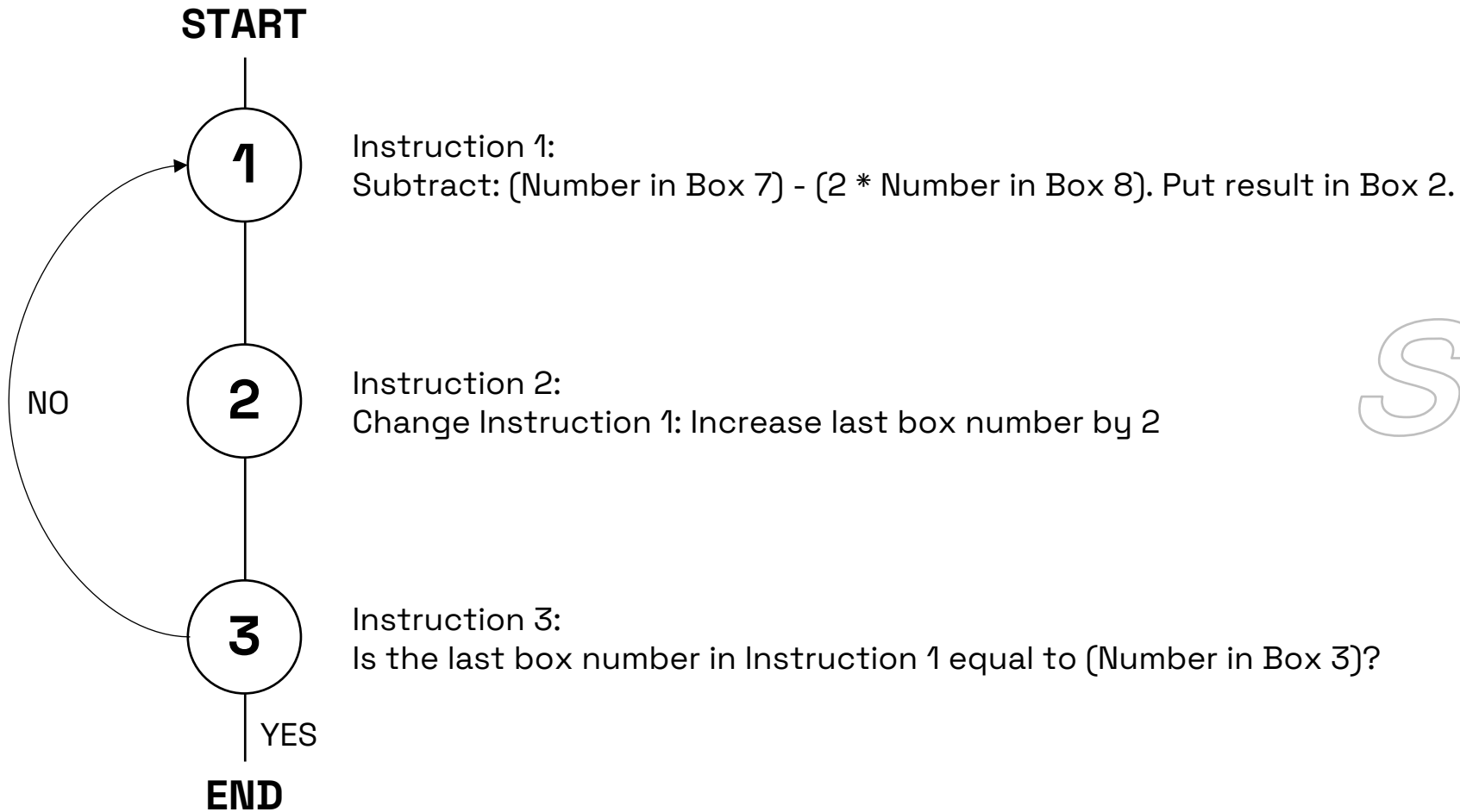
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BOX	1	2	3	4	5	6	7	8
VALUE	7	6		1	4	8	20	10

The purpose of this chart is to put ZERO in boxes 2, 4 and 6.
To accomplish this, what number must be in BOX 3?



Sample

Write the answer in the below box:

BOX	3
VALUE	

3 Technical

Take a 4x4 Binary Matrix:

1 corresponds to LAND

0 corresponds to WATER

1	0	0	0
0	0	1	0
1	0	0	0
0	0	1	0

Write **Pseudocode** OR **Draw Flowchart** to identify all ISLANDS in any binary matrix.

In the example here, the 1s highlighted in BLUE are islands, and the 1 highlighted in RED is not an island.

By definition, island is land surrounded by water ON ALL SIDES. And remember, the earth is spherical.

Pseudocode is an outline of code and need not be 100% COMPILER friendly. You can write the pseudocode or as actual code in ANY of the following languages: C, C++, JavaScript, Dart, TypeScript, Python, PHP, or Java based on your preference.

Alternatively, you may also DRAW A FLOWCHART to accomplish the desired result.