1. (8 pts) Use the flow chart on the right to complete the table below.

X	Answer
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2. (2 pts) Write in English a sentence that describes in general what this algorithm is computing:

3. (1 bonus point) This algorithm is not very efficient; when the answer is known to be "no", the algorithm usually keeps looping unnecessarily. Can you think of a single process (box) that could be added to this flowchart so once the answer "no" is known, the loop will end by causing the answer to the pre-test loop's diamond to be "yes"? Write down what the process is and where the box should be inserted in the flowchart.