**1** The flowchart shows an algorithm used for quality control on a biscuit production line.

The weight of each biscuit is entered into the variable `Weight`. If the weight of the biscuit is between 16.2 and 17.2 grammes, inclusive, the pass counter is incremented by 1. Otherwise, the reject counter is incremented by 1. The process continues until –1 is entered, after which, the totals for pass and reject counters are output.

**(b)** Explain how you would alter the flowchart in **1(a)** so that it calculates and outputs the average weight of only the biscuits that passed the weight check.

You may include program statements or flowchart symbols in your answer, but they must be fully explained.

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