Problem

WebEngage empowers companies to collect feedback and gather insights from visitors using survey and notifications.

An e-commerce company used the WebEngage customer engagement tool to ask visitors if they want to buy the selected products at discounted prices. If the visitor said 'Yes', the product was delivered to the customer at the discounted price. They collected the response for a whole week from Monday to Sunday. Now they want to analyse which day most of the people said 'Yes' compared to other days. For this, they want to calculate the standard deviation of the 'Yes' count on each day. Using the standard deviation, we have a standard way of knowing which day was extra good, which day was extra bad, and which day was just plain normal in terms of business.

Input format

The input contains *7* lines, depicting Monday to Sunday. Each line contains a string of `1 & 0`. *1* means the visitor said 'Yes', and *0* means the visitor said 'No'.

Output format

Output a single line with the result rounded to *4* decimal places, which is the $standard\ deviation$ of the 'Yes' count on each day.

Input constraint

Number of visitors everyday doesn't exceed *1* million.

Sample Input	Sample Output
11011 1010000 0010 1101 010 101111 001110	1.3851

Time Limit: 2

Memory Limit: 256