



Introduction

Computer vision is a broad field that will increase in the coming years. Automated disease diagnosis will also be an important field. Today we will merge both, making an algorithm that diagnoses skin cancer. For this purpose, the algorithm has to evaluate the average of the values obtained and their standard deviation (stdev).

Remember that the standard deviation formula is:

$$s=\sqrt{rac{1}{N-1}\sum\limits_{i=1}^N(x_i-ar{x})^2},$$

where $xi = \{x1, x2, x3, ...\}$ are the observed values of the sample items, \overline{x} is the mean value of these observations, and N is the number of observations in the sample.

Your algorithm will be feed with images from a microscope composed by an array of 5x5 grayscale pixels. (0: means a dark pixel and 255: a white one).

On this simple detector, we can consider a skin cancer if $40 \le average \le 80$ and stdev ≥ 10 . If stdev is lower it's a benign skin mole (benign is a medical term to indicate non-hazardous).

It is also considered a benign skin mole if $80 < average \le 230$. Independent of stdev.

And microscope calibration is needed when: average < 40 or average > 230. Independent of stdev.

HINT: perform all operations as floats.

Input

The input consists of one line of 25 integers separated by spaces.

Output

Print out one of the following outputs classification:

• Skin cancer



- Benign skin mole
- Recalibrate microscope

Example 1

Input

50 70 80 40 20 70 50 30 40 60 50 70 80 40 20 70 50 30 40 60 50 70 80 40 20

Output

Skin cancer

Example 2

Input

Output

Recalibrate microscope

Example 3

Input

Output

Benign skin mole