

Braking distance

Braking distance of some vehicle at speed of 100 km/h is equal to 48 meters. Assuming that other conditions has not been changed (friction, tyres, breaking system and so on) one can estimate that the breaking distance is proportional to the square of the speed of the vehicle. Please compute the vehicle's breaking distance for a given speed X .

Input data specification

One integer $0 < X < 250$.

Output data specification

One number that is equal to the car's breaking distance in meters with one digit precision.

Example 1

Input:

50

Output:

12.0

Example 2

Input:

76

Output:

27.7

Scoring

This is a test problem and you will receive no points for solving it. However, at 18:00 on Monday, November 8¹⁵, we will give out a small gift to user, drawn from among those registered contestants who have solved this problem in more programming languages (available at SPOJ) then all other registered contestants. **Note: the special contest is over now.**