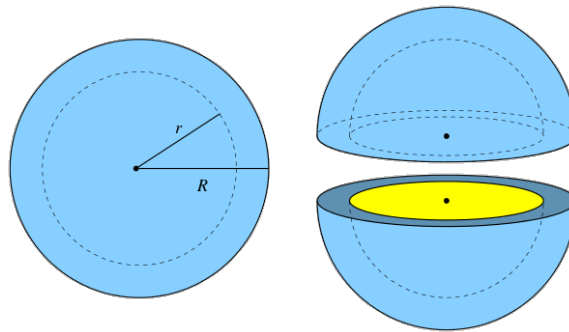


## Volume of a Spherical Shell

The volume of a spherical shell is the difference between the enclosed volume of the outer sphere and the enclosed volume of the inner sphere:

$$V = \frac{4}{3}\pi(R^3 - r^3)$$

Your task is to write a function that takes r1 and r2 as arguments and returns the volume of a spherical shell rounded to the nearest thousandth.



### Note

The inputs are always positive numbers. r1 could be the inner radius or the outer radius, don't return a negative number.

### Input

The first line of input contains the radius r1 and r2.

### Output

The first line displays the volume of a spherical shell rounded to the nearest thousandth.

### Sample input

### Sample output

3 3	0
7 2	1403.245
3 800	2144660471.753