Find the force of gravity between two objects

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Your job is to find the gravitational force between two spherical objects (obj1 , obj2).

Input:

Two arrays are given:

- arr_val (value array), consists of 3 elements
    - 1st element : mass of obj 1
    - 2nd element : mass of obj 2
    - 3rd element : distance between their centers

- arr_unit (unit array), consists of 3 elements
    - 1st element : unit for mass of obj 1
    - 1st element : unit for mass of obj 1
    - 1st element : unit for mass of obj 1

    Mass units are :

- kilogram (kg)
- gram (g)
- milligram (mg)
- micrograms (μg)
- pound (lb)

Distance units are :

- meter (m)
- centimeter (cm)
- millimeter (mm)
- micrometer (μm)
- feet (ft)

Note:

value of G = 6.67 × 10−11 N·kg−2·m2

1 ft = 0.3048 m

1 lb = 0.453592 kg

return value must be Newton for force (obviously)

μ   copy this from here to use it in your solution