#include<iostream>

using namespace std;

template <class T1=int , class T2=int>

float average(T1 a, T2 b)

{

float avg = (a+b)/2;

cout<<"the average of the numbers "<<avg<<endl;

return avg;

}

int main()

{

average(5,7);

average(3.4,5.2);

average(5,2.4);

return 0;

}