import java.util.Scanner;

class Source {

public static void main(String args[]) {

Scanner scan = new Scanner(System.in);

// Enter annual income

double income = scan.nextDouble();

// Enter age

int age = scan.nextInt();

double minimumAllowedIncome;

if ((age > 60) && (age <= 80)) {

minimumAllowedIncome = 300000;

} else if (age > 80) {

minimumAllowedIncome = 500000;

} else {

minimumAllowedIncome = 250000;

}

double tax = 0.0;

if (income > minimumAllowedIncome && income <= 500000.00) {

tax = 0.1 \* (income - minimumAllowedIncome);

} else if (income > 500000.00 && income <= 1000000.00) {

tax = 0.1 \* (500000 - minimumAllowedIncome) + 0.2 \* (income - 500000);

} else if (income > 1000000.00) {

tax = 0.1 \* (500000 - minimumAllowedIncome) + 0.2 \* (1000000 - 500000) + 0.3 \* (income - 1000000);

}

System.out.print(tax);

scan.close();

}

}