Bakar & Rashida

BAKAR is a young boy from Egypt, his age is **x** years (entered by the programmer). He wants to build a house to his goat Rashida, so he decides to collect its price from his birthday gifts.

Each **birthday,** he receives a present either a money or a gift (suit) .
* For each **Even** birthday (2, 4, 6, …, n) he receives **suit**,
* For each **odd** birthday (1, 3, 5, …, n) he receives **money**.

For his **first birthday** he received **50 EGP**, and **the amount is increased by 50 EGP for each following odd birthday** (3 100 EGP, 5 150 EGP, 7 200 EGP etc.).

Over the years BAKAR has secretly saved his money under the bed. BAKAR's **friend "HASONA"** , in the years when he **received money**, **took 5%** from new amount.

BAKAR was elegant boy, he decided to **sold his suit**, **each one for "y" EGP (should be entered by the user"** and added the sum to the amount of saved money.

He wanted to **build a house for RASHIDA which will cost "X" EGP (should be entered by the user)**.

Write a program that calculates **how much money he has saved** and if it is enough **to build the house or not.**

E.G.

enter Bakar age?
10

Enter Price of the house ?
1400
enter the price of each suit?
90
----
outputs
the total amount of saved money is ….

it will be enough to buy the house

Fatota

FATOTA has 21 years.

One day he found a time machine and he decided to travel back to the 1700s.

He has " X " EGP amount of money. He decides to convert all his money to dollar where each 1 $ cost 2 EGP.

He does not know **if the dollars** will **be enough** to live their without working or not.

Write **a program that calculates** if FATOTA **will have enough money** to not have to work until yyyy year (e.g. 1710).

- Assuming that **for every even** (1700, 1702, etc.) year he **will spend 1000 dollars**.
- For **every odd one** (1701, 1703, etc.) he will spend **1000 + 50 * [his age in this year]**.

E.g.
Please enter the amount of money (X)?
--12345
Please enter the year, which he planned to stay until? (remember he will reach there at 1700)
--1705
(output)
Yes it will be enough and will have ……$ remain

3- many students in the electrical department love C programming and they do their best to be professionals. In their way they face a “love” sign in a rectangular shape.
please draw this love sign in terms of the entered rows number “n”

E.G.
Please enter the rows number ?
3
output

```
...//_____\\...
..//_______\\..
.//_________\\.
//___LOVE!___\\
\\___________//
.\\_________//.
..\\_______//..
```

Please enter the rows number ?
3
output
6

```
......//___________\\......
.....//_____________\\.....
....//_______________\\....
...//_________________\\...
..//___________________\\..
.//_____________________\\.
//_________LOVE!_________\\
\\_____________________//
.\\___________________//.
..\\_________________//..
...\\_______________//...
....\\_____________//....
.....\\\___________//.....
```