DEPOSITO

Jojo and Lili wants to deposit thier money to a bank with M value. They ask you to calculate their money in N month with interest rate is I % **per annum** (**yearly**). You must calculate their money every month until N month. The interest will be disbursed every month and deduct with the tax (20%). The interest will added to saldo in integer.

$$interest/month = M \times \frac{I\%}{12} \times (100\% - 20\%)$$

Example:

First month,

Interest: $round\_down(1000000 \times \frac{5\%}{12} \times (100\% - 20\%)) = 3333$

Credits: $1000000 + 3333 = 1003333$

Second month,

Interest: $round\_down(1003333 \times \frac{5\%}{12} \times (100\% - 20\%)) = 3344$

Credits: $1003333 + 3344 = 1006677$

Format Input

Input starts with an integer T, describing the number of test cases. Each test case has 3 integers. First integer is M, the money value. The second integer is I, the interest in percentage per annum (yearly). The third integer is N, the duration they deposit their money.

Format Output

For each test case, start with format “Case #X:”, where X is the test case number starting at 1 and followed with N lines. Each line show the month and the money value added interest on that month.

Constrains

$1 \leq T \leq 10$

$1 \leq N \leq 240$

$1 \leq I \leq 10$

$1 \leq M \leq 2 \times 10^9$

Sample

Input	Output
4 1000000 5 6 1000000 5 12 1000000 10 12 3629100 10 6	Case #1: 1 1003333 2 1006677 3 1010032 4 1013398 5 1016775 6 1020164 Case #2: 1 1003333 2 1006677 3 1010032 4 1013398 5 1016775 6 1020164 7 1023564 8 1026975 9 1030398 10 1033832 11 1037278 12 1040735 Case #3: 1 1006666 2 1013377 3 1020132 4 1026932 5 1033778 6 1040669 7 1047606 8 1054590 9 1061620 10 1068697 11 1075821 12 1082993 Case #4: 1 3653294 2 3677649 3 3702166 4 3726847 5 3751692 6 3776703

Explaination Case 4:

First month,

Interest: $round\_down(3629100 \times \frac{10\%}{12} \times 80\%) = 24194$

Credits: $3629100 + 24194 = \mathbf{3653294}$

Second month,

Interest: $round\_down(3653294 \times \frac{10\%}{12} \times 80\%) = 24355$

Credits: $3653294 + 24355 = \mathbf{3677649}$

Third month,

Interest: $round\_down(3677649 \times \frac{10\%}{12} \times 80\%) = 24517$

Credits: $3677649 + 24517 = \mathbf{3702166}$

Fourth month,

Interest: $round\_down(3702166 \times \frac{10\%}{12} \times 80\%) = 24681$

Credit: $3702166 + 24681 = \mathbf{3726847}$

Fifth month,

Interest: $round\_down(3726847 \times \frac{10\%}{12} \times 80\%) = 24845$

Credits: $3726847 + 24845 = \mathbf{3751692}$

Sixth month,

Interest: $round\_down(3751692 \times \frac{10\%}{12} \times 80\%) = 25011$

Credits: $3751692 + 25011 = \mathbf{3776703}$