#include <iostream>

#include <string>

using namespace std;

struct student

{

string fam;

int a[4];

double styp;

};

int main()

{

student group[30],t;

int i,j,n=30;

double stypendia;

cout << "Input stypendia: ";

cin >> stypendia;

for (i = 0; i < 30; i++)

{

cout << "Input fam: ";

cin >> group[i].fam;

cout << "Input marks: ";

for (j = 0; j < 4; j++)

cin >> group[i].a[j];

unsigned int p = 0, c = 0, t = 0;

for (j = 0; j < 4; j++)

switch (group[i].a[j])

{

case 3: t++; break;

case 4: c++; break;

case 5: p++; break;

}

if (p == 4) group[i].styp = 1.25 \* stypendia;

else if (p == 3 && c == 1) group[i].styp = 1.10 \* stypendia;

else if (c == 4) group[i].styp = stypendia;

else if (c == 1) group[i].styp = 0.85 \* stypendia;

else if (c > 1) group[i].styp = 0;

}

for (i = 0; i < n - 1; i++)

for (j = 0; j < n - i - 1; j++)

if (group[j].styp > group[j + 1].styp)

{

t = group[j];

group[j] = group[j + 1];

group[j + 1] = t;

}

for (i = 0; i < 30; i++)

cout << "Student " << group[i].fam << " will get " << group[i].styp;

return 0;

}