

Exercise: Conditional Statements

1. Scholarship

Students can apply for **social scholarship** or for **scholarship for excellent performance**. The requirements for social scholarship are: family income **less than the minimum wage** and **GPA of at least 4.5** (out of 6). The social scholarship equals **35% of the minimum wage**. The requirement for scholarship for excellent results is **a GPA of at least 5.5**. The amount of it equals **the student's GPA multiplied by 25**.

Write a program which **gives information whether a student qualifies for a scholarship**. If he or she does qualify, print the scholarship which will have **the bigger amount in their case**.

Input

The input consists of **3 lines**:

1. **Income in leva** - a real number in the range [0.00..6000.00]
2. **Grade point average (GPA)** - a real number in the range [2.00...6.00]
3. **Minimum wage** - a real number in the range [0.00..1000.00]

Output

- If the student **does not qualify** for a scholarship, print:
"You cannot get a scholarship!"
- If the student **does qualify for a social scholarship** and its amount is **bigger than the scholarship for excellent results's amount**, print:
"You get a Social scholarship {amount} BGN"
- If the student **does qualify for a scholarship for excellent results** and its amount **equals or is bigger than the social scholarship's amount**, print:
"You get a scholarship for excellent results {amount} BGN"

The result should be rounded to the smaller integer.

Examples

Input	Output	Explanation
480.00 4.60 450.00	You cannot get a scholarship!	The income is 480 lv. and it's higher than the minimum wage of 450 lv. → the student does not qualify for a social scholarship. The student's GPA is 4.60 < 5.50 → the student does not qualify for a scholarship for excellent results.
300.00 5.65 420.00	You get a Social scholarship 147 BGN	300 lv. < 420 lv. and 5.65 >= 4.50 → the student qualifies for social scholarships 35% * 420 lv. = 147 lv. GPA = 5.65 >= 5.50 → the student qualifies for excellent results scholarship 5.65 * 25 = 141.25 lv. 147 lv. > 141.25 lv. → the student gets the social scholarship.
310 5.8 350	You get a scholarship for excellent results 145 BGN	310 lv. < 350 lv. and 5.8 >= 4.50 → the student qualifies for social scholarships 35% * 350 lv. = 122.5 lv. GPA = 5.8 >= 5.50 → the student qualifies for excellent results scholarship 5.8 * 25 = 145 lv. 122.5 lv. <= 145 lv. → excellent results scholarship.

