

6211 Cap and Trade

California Assembly Bill 32, which goes into effect on January 1, 2013, requires companies to reduce carbon emissions or to pay a fee to offset greenhouse gases. (Technically, the latter is to purchase credits from businesses that are not emitting their allotment of greenhouse gases.) The allotment goes down each year until goal numbers are met. For those businesses that do not reduce emissions, annual costs would continue to rise as the goals are lowered. All businesses, including colleges and universities, could be impacted, depending on their sizes.

Implementing measures that reduce greenhouse gases can be expensive and take time to implement. Colleges and universities that are large enough to be impacted by this bill have made estimates of what the budget impact would be for next year if they do not reduce carbon emissions.

Swamp County College is one of the impacted colleges. It would like to explore what the costs would be if distributed on a per-unit basis as a fee.

Your team is to write a program that takes assumptions about likely costs and anticipated enrollments and reports the ranges of fee increases that would be needed to cover the assumed costs. The fee is to be calculated by credit unit taken and by full-time equivalent student (FTE). The number of units per FTE will vary by campus.

Input

Input to your program will be one or more lines of text of up to eighty characters. Each line will have the following information, separated by commas, with no leading white space:

- College or University identifier (string that does not contain a comma)
- Total number of anticipated enrolled units for a year for all anticipated enrollments ($90 \leq \text{units} \leq 1,000,000$)
- Number of units considered a “full time” load ($9 \leq \text{full-time load} \leq 18$)
- Minimum annual assumed cost for emissions (integer dollars)
- Maximum annual assumed cost for emissions (integer dollars)

Output

Output will consist of a single line for each college or university, in the same order as the input, formatted beginning in the first column of the line as follows:

- College or University identifier, followed by a single space
- The string ‘Fees per Unit: ’
- The minimum cost per unit, rounded to the nearest dollar with a leading dollar sign, followed by a hyphen (‘-’), followed by the maximum cost per unit, rounded to the nearest dollar, with a leading dollar sign
- A single space, followed by the string ‘Full Time: ’
- The minimum cost for a full-time student, rounded to the nearest dollar, with a leading dollar sign, followed by a hyphen (‘-’), followed by the maximum cost per unit, rounded to the nearest dollar, with a leading dollar sign.

Rounding is to occur after the per-unit and per-FTE values are calculated.

Sample Input

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SCC,90000,15,485000,967000  
UCX,150000,15,1500000,6000000
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Sample Output

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SCC Fees per Unit: $5-$11 Full Time: $81-$161  
UCX Fees per Unit: $10-$40 Full Time: $150-$600
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