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## 3. Buying a Car

**Program Name:** Buying.java

**Input File:** buying.dat

Roger does a lot of city driving and is very concerned about his car's gas mileage. In the average year, he drives about 12,000 miles. His current car is an old Jeep Cherokee, gets an average of 12 miles per gallon and he could sell it for \$4,500. He is looking to buy one of several cars that receive better miles per gallon. He wants to look at his options and decide which purchase would be best for him.

Roger wants to know how much the new car would cost him after selling his old car and how much money he would save in gas over a two year period. Right now, the average price of gas is \$2.65 per gallon and, for the purpose of this simulation, will remain constant over the next 2 years. You are to write a program that will make these comparisons for him.

### Input

The first line of input will contain a single integer  $n$  that indicates the number of cars that Roger is researching. Each of the following  $n$  lines will contain the car name, the miles per gallon that the car averages and the price of the car. Each of items will be separated by two hyphens (--).

### Output

For each car, you will print its name, a space, a dollar sign (\$), the price in integer dollars he would have to pay for the new car after selling his old car, a space, a dollar sign (\$), and the amount of money that he would save on gas over the 2 year period rounded to two decimal points.

### Example Input File

```
3
Honda Element--19--17950
Ford Edge--19--18130
Toyota RAV4--20--18885
```

### Example Output to Screen

```
Honda Element $13450 $1952.63
Ford Edge $13630 $1952.63
Toyota RAV4 $14385 $2120.00
```