## Electrician

Electrician works in the rural area of Canada. Most of the time he works on the projects, which require new wiring (not replacements or additions). His clients ask him to wire new houses, new barns and new garages.

For each of the buildings, electrician needs to find out the size of the house, number of required light bulbs and number of required outlets. Consider that there may be no more than 20 bulbs and 50 outlets in any of the buildings. The size may vary significantly but cannot exceed 50,000 sq. ft. and will likely not be less than 1,000.

There are some differences in the working of the different structures.

* In the house, electrician needs to install fire alarms
* In the barn electrician must wire milking equipment
* In the garage electrician must install automatic doors

Electrician accepts credit card payments and needs to get it from the customers in the form of 16-digit string

Your program must take information from the unlimited number of customers. At the end, the information must be displayed back to electrician, using 1 line per customer