Nowadays, telephone booths, popularized by the famous London red booth, have fallen into disuse and are gradually disappearing. However, they can still be found in one place or another.

In this problem, we intend to implement a state machine that models the interaction of a user with a telephone in a public booth.

The phone reacts to the following commands:

1. **LIFT** - lifting the handset, marks the beginning of an interaction;
2. **LAND** - hang up the handset, end of the interaction, indicate the amount to be refunded;
3. **CURRENCY <list of values>** - insertion of currencies (only valid currencies should be accepted, an error message should be generated for invalid values): list of values = num, num, ..., num ;
4. **T=number** - dials the number (the number must have 9 digits unless it starts with "00"); the different calls should be handled as follows:
   * for numbers beginning with "601" or "641" the call is " *blocked* ";
   * for international calls (starting with "00") the user must have a balance equal to or greater than 1.5 euros, otherwise they must be warned that the balance is insufficient and the machine returns to its previous state; the call, if made, costs 1.5 euros;
   * for national calls (starting with "2") the minimum balance and call cost is 25 cents;
   * for green calls (starting with "800") the cost is 0;
   * for blue calls (starting with "808") the cost is 10 cents.
5. **ABORT** - interrupt the interaction; the machine returns the coins.

As an extra, you can also detail how the change is returned: how many coins and what kind make up the change.

A possible example interaction is presented below.

RAISE   
maq: "Insert coins."   
CURRENCY 10c, 30c, 50c, 2e.   
maq: "30c - invalid currency; balance = 2e60c"   
T=601181818   
maq: "This number is not allowed on this phone. Please dial new number!"   
T=253604470   
maq: "balance = 2e35c"   
LAND   
maq: "change=2e35c; Come back often!" or maq: "change= 1x2e, 1x20c, 1x10c, 1x5c; Come back often!"

Note: lines beginning with "maq:" correspond to machine responses.