Stamps II — X68780_en

We want to send a postcard by mail. We need to stamp worth n cents ($n \geq 20$). Stamps have values 7 and 4 cents. As space is limited we want to know the minimum number of stamps we need to put on the postcard, without losing a cent.

Using the definition

```
struct Stamps {
    int stamp7;
    int stamp4;
};
```

implement a *recursive* function

Stamps min_stamps(**int** *n*)

computing the mimimum number of necessary worth 7 stamps (*stamp7* field) and worth 4 stamps (*stamp4* field) for a total worth of n cents ($n \geq 20$). For instance, for $n = 58$, the result fields of *min_stamps* must be 6 and 4.

Observation

In order to complete the recursive case, note that recursive calls will always provide a *Stamps* tuple with *stamp4* field at most 6.

Observation

This problem is an example about using tuples in order to define functions computing a result that does not have a default representation as a single value.

Observation

You only need to submit the required classes; your main program will be ignored. Strictly obey the type definitions of the statement.

Problem information

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