Middle East Technical University
Department of Computer Engineering

CENG 111

Fall '97

Worksheet 2

REGULATIONS

Due date: 21 November, Friday *(Not subject to postpone)*

Submission: Electronically. You will be submitting your program source code through a file which you will name as `hw2.sh` by issuing the following single line at the Unix prompt.

```
submit241 hw2.sh
```

Team: There is **no** teaming up. The homework has to be done and turned in individually.

Cheating: All parts involved (source(s) and receiver(s)) get zero.

PROBLEM

You are asked to develop a pluralizer for Turkish. More specifically, your pluralizer should take a word, presumably in Turkish, and produce its plural form. You are expected to write a Scheme function that takes a Turkish word it the form described below and return its pluralized form.

Call your pluralizing procedure `plural`.

The argument word will be lowercase except for `I`, `O`, `U`, `G`, `C` and `S`, which represent the Turkish characters ı, ö, ü, ğ, ç and ş, respectively.

Notice that to preserve the lowercase/uppercase distinction we need to represent the words as strings rather than symbols.

Here are some examples:

```
(plural "kuGu")
kuGular

(plural "dert")
dertler

(plural "nOron")
nOronlar

(plural "kiler")
kilerler

(plural "zmcuk")
zmcuklar

(plural "zmck")
zmck?
```