

## Bogusław Jackowski

### METAPOST tables indexed with strings

Converting METAPOST strings to suffixes one can implement tables indexed with strings.

```
% Definitions:
def strtosfx(expr s) =
for i:=1 upto length(s): [ASCII(substring(i-1,i) of s)] endfor
enddef;
vardef sfxtostr_ []@# =
if (str @=""): "" else: char(@) if str @#<>"": & (sfxtostr_ @#) fi fi
enddef;
def sfxtostr(suffix s) = begingroup sfxtostr_ s endgroup enddef;

% A few tests:
show sfxtostr(strtosfx("ABCABCABCABCABCABCABCABCABCABCABCABC!"));
% >> "ABCABCABCABCABCABCABCABCABCABCABCABC!"

save X; X strtosfx("ABC") =0; showvariable X;
% X[] [] []=numeric
% X65 66 67=0 )

save X;
for s:="ala", "ma", "kotakotakota", "kota": X strtosfx(s) = 0; endfor
for s:="ala", "ima", "kota": if known X strtosfx(s): show s; fi endfor
% >> "ala"
% >> "kota" )

end.
```

If only there was a possibility to iterate over all known indexes...