NAME
mag – computes fontsizes and magsteps

SYNOPSIS
mag [-Rdpi] magstep . . .

mag [-r] [-Rdpi] fontsize . . .

DESCRIPTION
delim $$ This tool calculates fontsizes given magsteps. TeXfonts are provided as true sized fonts or as magnifications. The fontsize of a true sized font equals the resolution of the printer (ex. 300). The fontsize of a font magnified $n$ magsteps equals: $1.2^{n} \times 300$ delim off rounded to its nearest integer value. Fontnames for TeX fonts normally consists of the name (cmr), pointsize (10), type (pk) and fontsize (360), for example: cmr10.360pk.

EXAMPLES
The result of mag -R240 -2 0 0.5 1 will be:

167 240 263 288

The inverse function is computed with the -r option. The result of mag -r -R240 167 240 263 288 will be the fontsteps:

-2 0 0.5 1

The UNIX shells allow command substitution. One can write:

mag -r -R240 'mag -R240 -2 0 0.5 1'

DATE
18 December, 1989

AUTHOR
Piet Tutelaers
University of Technology Eindhoven
<rcpt@urc.tue.nl>