PAL(1)

### NAME

pal - PAL Assignment from Equations

## SYNOPSIS

pal

### DESCRIPTION

<u>Pal</u> helps a user to verify correctness of their PALASM file and also to communicate with a PAL programmer. Type help to print the general help message. Type ? to print a full list of commands.

All <u>commands</u> may be abbreviated to a single letter.

#### OPTIONS

There are no command line options to pal

#### COMMANDS

The following commands are available:

The following commands are available:

help Print the general help message. Print this list of commands.

read filename Read filename.pal as the PALASM format

input file.

program Send current fuse data to programmer

and program PAL.

map Output fuse plot and equations to terminal.
map filename Output fuse plot and equations to filename.map

download filename Sends filename.jed to programmer

(does not burn PAL).

family Set the family/pinout code.

burn Program the PAL with the fuse data in

the DATA I/O RAM.

verify Verify the PAL with the fuse data in

the DATA I/O RAM.

load Load the PAL fuse data into the DATA I/O RAM.

upload filename Get fuse data from the DATA I/O RAM and create a JEDEC file named filename.up

simulate Output fuse plot with vectors to terminal. simulate filename Output fuse plot with vectors to filename.sim simulate -p Output fuse plot with vectors to programmer.

connect Connect terminal to programmer

(<RETURN><ESC> exits)
Return to UNIX shell.

### SEE ALSO

palasgn(1)

quit

PAL(1)

# BUGS

Signals which are not needed are eliminated, even if they are assigned to pin numbers.

## **AUTHORS**

Pal was originally written by Anthony Drogaris in 1984 as an undergraduate project. It has been modified and enhanced by Donald E. Troxel.

## COPYRIGHT

Copyright (c) 1991 by the Massachusetts Institute of Technology.

All rights reserved.