TDS (Taylor-expansion based Decomposition System) - list of basic commands

Tas 01> help

- balance
- bbldown
- boltom
- bottom
- bottomscse
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- candidate
- candi Tds 01> help - balance Balance the DFG or Netlist to minimize latency. Relocate the given variable remapshift Remap the shifters to <<.
- reorder Reorder the variables in the recorder retime remapshift
reorder
reorder
Reorder the variables in the TED (Pre-fixed cost).
reorder*
Reorder the variables in the TED. (User defined cost)
retime
Performs(forward/backward)retiming in TED.

save
Save the environment.

Scse
CSE Static, extract one candidate at a time.

set
set
Set the variable bitwidth and other options.

setenv
Set a environment variable.

shifter
Replace constant multipliers by shifters.

show
Show the TED, DFG or Netlist graph.

sift
Heuristically optimize the level of the variable.

sub
Substitute an arithmetic expression by a variable
fenerate a DFG from the TED.

- top Move the given variable to the top. Construct a TED from a set of DSP transforms. - tr - vars Preset the order of variables, before any TED is given. - verify Verifies that two TED outputs are the same. Write the existing NTL|DFG|TED into a*.[cdfg|dfg|ted] file. ----- ALIASES (stored in file tds.aliases) ------- flatten - shifter* - stats ----- GENERAL - ![bin] System call to execute bin - h[elp] Print this help Exit the shell Quit the shell - e[xit] - q[uit] - history Prints executed commands and their execution times - time Show the elapsed time for the last command executed Prints the manual of the given command - man

The shell accepts command completion. i.e. type dec<TAB> for decompose Tds 01> quit