DWT Lifting Step 12/02/20

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Software Description:
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uBufferToC.pas procedure Pbuff(ii: word; ss: LongWord; var tmpbuf: Pointer); cdecl; external 'libtest' name 'xyz'; void xyz(int bp, long ss,int *xx) xyz in test.c

LibCTest_RPi2.lpr
IBPP:=BitMapInfoHeader.BitCount;
Size:=LineSize * BitMapInfoHeader.Height;
Buffer:=GetMem(Size);
Pbuff(IBPP,Size,Buffer); calls a C function in test.c
That splits the image in RGB calling lifting(int w, int *ibuf, int *tmpbuf).
Calls singlelift(rb, w, tp, ip);

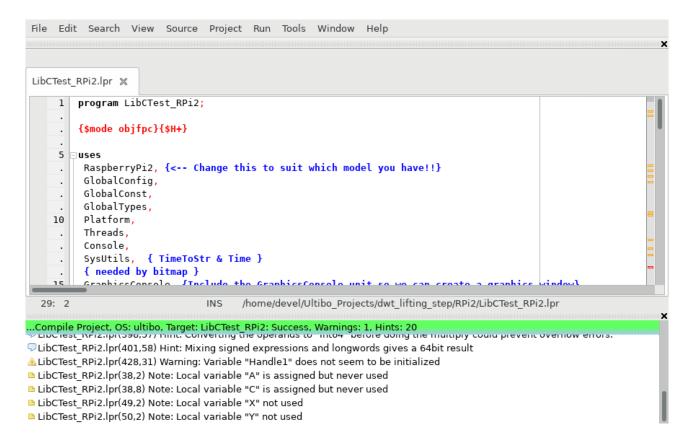
Note: This is only needed when compiling from the command line: Need to set the PATH for fpc. export PATH=/home/devel/ultibo/core/fpc/bin/:\$PATH echo \$PATH

The lifting.c C code is part of test.c.

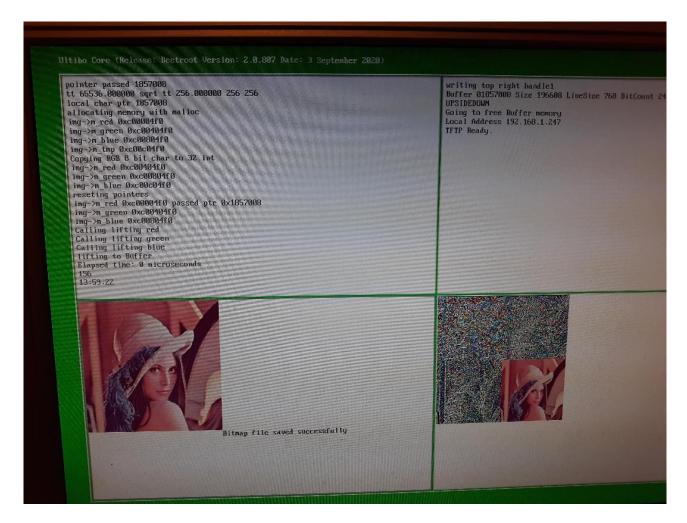
cd Ultibo_Projects/dwt_lifting_step/RPi2/./compile.sh

#!/bin/bash
date
rm -f test.o
rm -f libtest.a
rm -f kernel7.img
arm-none-eabi-gcc -O2 -mabi=aapcs -marm -march=armv7-a -mfpu=vfpv3-d16 mfloat- abi=hard -c test.c
arm-none-eabi-ar rcs libtest.a test.o

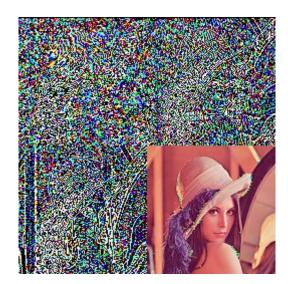
fpc -vi -B -Tultibo -Parm -CpARMV7A -WpRPI2B @/home/devel/ultibo/core/fpc/bin/RPI2.CFG -O2 LibCTest_RPi2.lpr ls -la test.o libtest.a kernel7.img



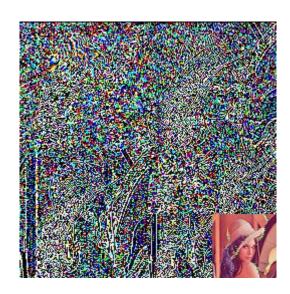
Depress Run/compile to create kernel7.img when the green bar appears. tftp 192.168.1.247 < cmdstftp tftp> tftp> Sent 2688432 bytes in 33.1 seconds



DWT 1 LVL



DWT 2 LVLs



DWT 3 LVLs

