

```
cd myhdl-relook/lift/model/6464
./compile.sh
```

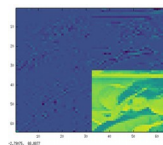
```
#!/bin/bash
gcc -c lifting.c
gcc -c error.c
gcc -c pnmio.c
gcc t-rd.c pnmio.o error.o lifting.o -o t-rd
```



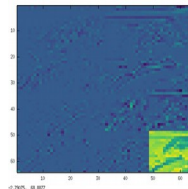
The above image 64x64 in the file red.pgm is read by the t-rd

```
./t-rd
octave
dwt
```

The image below is the fwd lifting step.



The values in the dark blue area are very small compare to the values in the lower right corner.
1 Lvl DWT returns 32x32 at the same resolution.



The values in the dark blue area are very small compare to the values in the lower right corner.
2 Lvl DWT returns 16x16 at the same resolution.
im4(1:32)
ans =

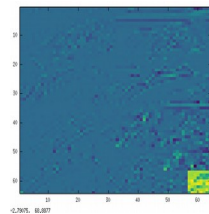
Columns 1 through 16:

1 -2 -1 1 -1 -1 -1 1 -1 -1 2 1 2 -2 -2 0

Columns 17 through 32:

-1 0 1 1 13 -4 -2 1 1 8 -5 20 -4 0 0 -24

205	212	199	197	183	166	179	176	159	159	174	200
207	206	210	211	221	228	229	219	231	224	220	184
160	157	167	163	181	133	118	96	86	80	74	89
226	227	197	219	112	125	114	134	110	90	90	122
185	196	213	123	122	98	197	146	154	139	133	100
209	214	117	87	86	173	107	90	105	110	76	172
220	145	90	145	219	140	151	97	99	161	182	216
228	110	161	206	211	242	237	184	205	215	227	221
218	163	230	182	220	219	215	245	217	220	221	225
212	227	249	246	231	247	218	124	253	222	221	223
225	205	162	145	146	123	84	100	169	247	247	229
242	207	110	107	110	151	186	189	176	185	169	196
171	72	104	165	203	213	205	193	174	182	137	187
106	210	222	216	201	187	193	177	213	261	209	146
231	208	209	200	194	244	247	266	180	169	140	149
209	205	208	179	232	234	243	193	143	147	110	134



The values in the dark blue area are very small compare to the values in the lower right corner.
 3 Lvl DWT returns 8x8 at the same resolution.

17	8	4	8	201	191	194	200	208	191	192	173
-28	11	-1	-5	195	190	208	192	98	126	80	93
-1	8	-1	-46	199	197	199	73	146	91	108	159
22	21	-18	13	217	243	123	202	230	198	214	228
1	9	56	2	185	225	225	234	225	149	249	229
-5	1	-22	-26	227	205	174	88	142	173	174	201
-4	1	-12	-6	201	86	174	219	206	197	238	151
21	26	-29	-31	96	235	210	188	250	202	127	131