```
--Performance Counter Report--
Total Time: 4.89763 seconds (244881300 clock-cycles)
                   % | Time (sec)| Time (clocks)|Occurrences|
  Section
                             4,897621
ltask 1
                 1001
                                             2448810261
                                                                   11
Task1 complete
Task1 start
 -Performance Counter Report--
Total Time: 0.890615 seconds (44530743 clock-cycles)
  Section
                    % | Time (sec)| Time (clocks)|Occurrences|
ltask 2
                    1001
                             0.890611
                                              445304781
                                                                   11
 -Performance Counter Report--
Total Time: 4,89764 seconds (244882194 clock-cycles)
  Section
                 | % | Time (sec)| Time (clocks)|Occurrences|
ltask 1
                             4.897641
                                            2448819201
                                                                 11
                 I 100 I
Task1 complete
Task1 start
--Performance Counter Report--
Total Time: 0.909933 seconds (45496646 clock-cycles)
  Section
                   % | Time (sec)| Time (clocks)|Occurrences|
Itask 2
                 1001
                             0.909931
                                             45496381 I
                                                                 11
 -Performance Counter Report-
Total Time: 0.480604 seconds (24030199 clock-cycles)
                 | % | Time (sec)| Time (clocks)|Occurrences|
  Section
 task 3
                    1001
                             0.480601
                                             240299341
                                                                 11
```

```
Statistics
text data bss dec hex filename
74412 56324 49428 180164 2bfc4 lab2.elf
```

```
--Performance Counter Report--
Total Time: 0.616966 seconds (30848307 clock-cycles)
                       % | Time (sec)|
                                            Time (clocks)|Occurrences|
  Section
                                 0.616961
 task 1
                                                   308480421
                                                                          11
                   1 1001
--Performance Counter Report--
Total Time: 0.299731 seconds (14986564 clock-cycles)
  Section
                      % | Time (sec)| Time (clocks)|Occurrences|
 ltask 2
                                 0.299731
                                                   149862991
                                                                          11
                   1001
```

text	data	bss	dec	hex	filename
74296	56324	49428	180048	2bf50	lab2.elf

```
-Performance Counter Report--
Total Time: 0.530134 seconds (26506690 clock-cycles)
                  % | Time (sec)| Time (clocks)|Occurrences|
 Section
                  100 I
                          0.530131
                                        265064251
Section 3
Task3 Complete
Task1 start
The image is: 64 x 64!!
--Performance Counter Report--
                       (O clock-cycles)
Total Time:
             0 seconds
                     Section
                          0.000001
                                               01
|Section 1
                                                           ٥Ι
                  nan l
Task1 complete
Task2 start
Task2 complete
 -Performance Counter Report--
[otal Time: 5.58721 seconds (279360616 clock-cycles)
                  % | Time (sec)| Time (clocks)|Occurrences|
 Section
                          5,586871
|Section 2
                                       2793435111
                  1001
「ask3 start
```

```
Statistics
text data bss dec hex filename
73408 56324 49376 179108 2bba4 lab2.elf
```

Performance C Total Time: 4.8			32194 clock-cycle	es)				
Section	i %	Time (sec)	Time (clocks)	Occurrences				
task 1	100	4.897641	244881920	1				
Task1 complete Task1 startPerformance Counter Report Total Time: 0.909933 seconds (45496646 clock-cycles)								
Section	i %	Time (sec)	Time (clocks)	Occurrences				
ltask 2	100	0.909931	45496381	1				
Performance Counter Report Total Time: 0.480604 seconds (24030199 clock-cycles)								
Section	i %	Time (sec)	Time (clocks)	Occurrences				
  task 3 	100	0.480601	24029934	11				

```
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
zzzzzzzzt;zzzzzzzzzzzzzzzzzzz
zzzzzzzzz;ttzzzzzzzzzzzzzzzzzz
zzzzzzzzztzzzzzzzzzzzzzzzzzzzz
777777777777777777777777777777777
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
...........
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
777777777777777777777777777777777
77777777777777777777777777777777
7777777777777777777777777777777777
777777777777777777777777777777777
777777777777777777777777777777777
                                    777777777777777777777777777777777
-Performance Counter Report-
otal Time: 0.122956 seconds (6147813 clock-cycles)
                                    ______
                                    | % | Time (sec)| Time (clocks)|Occurrences|
 Section
                                    task 4
        1 1001
              0,122951
                       61475481
                                11
                                    ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
Task4 Complete
                                    ______
Task4 start
Task3 Complete
                                    zzzzzzzzzzzzzz:tzzzzzzzzzzzz
                                    zzzzzzzzzzzzztt;zzzzzzzzzzzz
Task3 start
Task2 complete
                                    zzzzzzzzzzzzztzzzzzzzzzzzzz
                                    Task2 start
                                    -Performance Counter Report--
                                    ...........
Total Time: 1,87249 seconds (93624636 clock-cycles)
                                    ______
                                    Section
        | | % | Time (sec)| | Time (clocks)|Occurrences|
                                    _____
                                    11
task 1
        I 100 I
              1,872491
                      936243621
                                    ______
                                    ask1 complete
                                    ______
Task1 start
                                    ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
Statistics
                                  hex filename
  text
          data
                   bss
                          dec
                                2e2b0 lab2.elf
 75152
         56324
                 57628
                        189104
[NiosII EDS]$
```

```
Statistics
text data bss dec hex filename
14664 49764 424 64852 fd54 task5_0.elf
```

Statistics text 7320	data 328	bss 16	dec 7664		filename task5_1.elf		
Statistics text 5212	data 348	bss 16	dec 5576		filename task5_2.elf		
Performance Counter Report Total Time : 5182905 usec (259145271 clock-cycles)							
Section	I % I Ti	me (usec)	Time (clocks	) 10ccurrer	nces I		

- 1. A shared memory which is large enough.
- 2. Parallelism
- 3. Balanced workload