

phase5.o: file format elf32-i386

Contents of section .group:

0000 01000000 0c000000

Contents of section .group:

0000 01000000 0d000000

Contents of section .group:

0000 01000000 0e000000

Contents of section .text:

0000 e8fcffff ff81c202 0000008b 4424088bD\$..
0010 84820000 000089c1 83e10703 948a0000
0020 0000ffe2 8b442404 f7d0c383 e0038b54D\$.....T
0030 240489c1 d3fa89d0 c3f7d023 442404c3 \$......#D\$..
0040 cle0080b 442404c3 33442404 c38b4424D\$..3D\$...D\$
0050 04f7d8f3 c35653e8 fcffffff 81c60200VS.....
0060 00008b44 240c8886 00000000 bb000000 ...D\$.....
0070 00eb1a53 0fbe8600 00000050 e8fcffff ...S.....P....
0080 ff83c408 88860000 000083c3 0183fb0d
0090 76e15b5e c3555756 53e8fcff ffff81c3 v.[^..UWVS.....
00a0 02000000 8b742414 b9ffffff ffb80000t\$.....
00b0 000089f7 f2ae89c8 f7d083e8 0189c5b9
00c0 00000000 eb0383c1 0139e97d 268d3c0e9.}&.<.
00d0 0fbe170f b6941300 00000032 930000002....
00e0 0083e27f 881783ea 2080fa5e 76d8c607^v...
00f0 20ebd35b 5e5f5dc3 565383ec 04e8fcff ..[^_].VS.....
0100 ffff81c3 02000000 68c00000 00e8fcffh.....
0110 ffff8db3 00000000 56e8fcff ffff83ecV.....
0120 0456e8fc ffffffff83 c4145b5e c3 .V.....[^..

Contents of section .data:

0000 c0000000 31313730 33303038 3235001170300825.

Contents of section .rodata:

0000 00000000 00000000 00000000 00000000
0010 00000000 00000000 00000000 00000000
0020 00010203 04050607 08090a0b 0c0d0e0f
0030 10111213 14151617 18191a1b 1c1d1e1f
0040 4243262c 393a5d3c 6d6f2825 4a366862 BC&,9:]<mo(%J6hb
0050 53453b63 7b794e48 75465427 4147553f SE;c{yNHuFT'AGU?
0060 333e6974 22722d32 302e6c4f 672a2970 3>it"r-20.log*)p
0070 7a56646e 44777e2b 6b6a662f 73495257 zVdnDw~+kjf/sIRW
0080 385a4c4b 60715065 5f517640 314d345b 8ZLK`qPe_Qv@lM4[
0090 357c3761 24785920 585e7d23 5c213d7f 5|7a\$xY X^}#\!=.
00a0 4b9bffff 30000000 99340000 c6560000 K...0....4...V..
00b0 blceffff 4bccffff 41caffff a7c4ffffK...A.....
00c0 8d050000 daa8ffff 810a0000 d0b3ffff
00d0 b47e0000 837a0000~...z..

Contents of section .data.rel.local:

0000 00000000

Contents of section .text.__x86.get_pc_thunk.dx:

0000 8b1424c3 ..\$.

Contents of section .text.__x86.get_pc_thunk.bx:

0000 8b1c24c3 ..\$.

Contents of section .text.__x86.get_pc_thunk.si:

0000 8b3424c3 .4\$.

Contents of section .comment:

0000 00474343 3a202855 62756e74 7520372e .GCC: (Ubuntu 7.
0010 332e302d 31367562 756e7475 33292037 3.0-16ubuntu3) 7

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0020 2e332e30 00                                .3.0.
Contents of section .eh_frame:
0000 14000000 00000000 017a5200 017c0801 .....zR...|..
0010 1b0c0404 88010000 10000000 1c000000 .....
0020 00000000 55000000 00000000 28000000 ....U.....(....
0030 30000000 55000000 40000000 00410e08 0...U...@....A..
0040 8602410e 0c83035d 0e10480e 14480e0c ..A....]..H..H..
0050 4fc30e08 41c60e04 34000000 5c000000 O...A...4...\...
0060 95000000 63000000 00410e08 8502410e ....C....A....A..
0070 0c870341 0e108604 410e1483 05025bc3 ...A....A.....[.
0080 0e1041c6 0e0c41c7 0e0841c5 0e040000 ..A...A...A.....
0090 34000000 94000000 f8000000 35000000 4.....5...
00a0 00410e08 8602410e 0c830343 0e10500e .A....A....C..P..
00b0 144c0e18 480e1c41 0e20480e 0c41c30e .L..H..A. H..A..
00c0 0841c60e 04000000 10000000 cc000000 .A.....
00d0 00000000 04000000 00000000 10000000 .....
00e0 e0000000 00000000 04000000 00000000 .....
00f0 10000000 f4000000 00000000 04000000 .....
0100 00000000 .....

```

Disassembly of section .text:

```

00000000 <transform_code>:
  0: e8 fc ff ff ff      call 1 <transform_code+0x1> //0218 0000
  5: 81 c2 02 00 00 00    add $0x2,%edx //0A19 0000
  b: 8b 44 24 08          mov 0x8(%esp),%eax
  f: 8b 84 82 00 00 00 00 mov 0x0(%edx,%eax,4),%eax //091A 0000
16: 89 c1                mov %eax,%ecx
18: 83 e1 07             and $0x7,%ecx
1b: 03 94 8a 00 00 00 00 add $0x0(%edx,%ecx,4),%edx //0905 0000
22: ff e2                jmp *%edx

00000024 <.L3>:
24: 8b 44 24 04          mov 0x4(%esp),%eax
28: f7 d0                not %eax
2a: c3                  ret

0000002b <.L5>:
2b: 83 e0 03             and $0x3,%eax
2e: 8b 54 24 04          mov 0x4(%esp),%edx
32: 89 c1                mov %eax,%ecx
34: d3 fa                sar %cl,%edx
36: 89 d0                mov %edx,%eax
38: c3                  ret

00000039 <.L6>:
39: f7 d0                not %eax
3b: 23 44 24 04          and 0x4(%esp),%eax
3f: c3                  ret

00000040 <.L7>:
40: c1 e0 08             shl $0x8,%eax
43: 0b 44 24 04          or 0x4(%esp),%eax
47: c3                  ret

00000048 <.L8>:
48: 33 44 24 04          xor 0x4(%esp),%eax

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4c: c3 ret

0000004d <.L2>:
4d: 8b 44 24 04 mov 0x4(%esp),%eax
51: f7 d8 neg %eax

00000053 <.L1>:
53: f3 c3 repz ret

00000055 <generate_code>:
55: 56 push %esi
56: 53 push %ebx
57: e8 fc ff ff ff call 58 <generate_code+0x3> |58000000 021c0000
//缺少__x86.get_pc_thunk.si
5c: 81 c6 02 00 00 00 add $0x2,%esi //0A19 0000
//映射_GLOBAL_OFFSET_TABLE_
62: 8b 44 24 0c mov 0xc(%esp),%eax
66: 88 86 00 00 00 00 mov %al,0x0(%esi) //091D 0000
//映射CODE
6c: bb 00 00 00 00 mov $0x0,%ebx
71: eb 1a jmp 8d <generate_code+0x38>
73: 53 push %ebx
74: 0f be 86 00 00 00 00 movsbl 0x0(%esi),%eax
7b: 50 push %eax
7c: e8 fc ff ff ff call 7d <generate_code+0x28> |7d000000 02170000
//缺少transform_code
81: 83 c4 08 add $0x8,%esp
84: 88 86 00 00 00 00 mov %al,0x0(%esi) //091D 0000
//映射CODE
8a: 83 c3 01 add $0x1,%ebx
8d: 83 fb 0d cmp $0xd,%ebx
90: 76 e1 jbe 73 <generate_code+0x1e>
92: 5b pop %ebx
93: 5e pop %esi
94: c3 ret

00000095 <encode>:
95: 55 push %ebp
96: 57 push %edi
97: 56 push %esi
98: 53 push %ebx
99: e8 fc ff ff ff call 9a <encode+0x5> |9a000000 021f0000
//缺少__x86.get_pc_thunk.bx
9e: 81 c3 02 00 00 00 add $0x2,%ebx //0A19 0000
//映射_GLOBAL_OFFSET_TABLE_
a4: 8b 74 24 14 mov 0x14(%esp),%esi
a8: b9 ff ff ff ff mov $0xffffffff,%ecx
ad: b8 00 00 00 00 mov $0x0,%eax
b2: 89 f7 mov %esi,%edi
b4: f2 ae repnz scas %es:(%edi),%al
b6: 89 c8 mov %ecx,%eax
b8: f7 d0 not %eax
ba: 83 e8 01 sub $0x1,%eax
bd: 89 c5 mov %eax,%ebp
bf: b9 00 00 00 00 mov $0x0,%ecx
c4: eb 03 jmp c9 <encode+0x34>
c6: 83 c1 01 add $0x1,%ecx

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c9: 39 e9      cmp    %ebp,%ecx
cb: 7d 26      jge    f3 <encode+0x5e>
cd: 8d 3c 0e   lea    (%esi,%ecx,1),%edi
d0: 0f be 17   movsbl (%edi),%edx
d3: 0f b6 94 13 00 00 00 movzbl 0x0(%ebx,%edx,1),%edx
da: 00
db: 32 93 00 00 00 00 00 xor    0x0(%ebx),%dl    //091D 0000
    //映射CODE
e1: 83 e2 7f   and    $0x7f,%edx
e4: 88 17      mov    %dl,(%edi)
e6: 83 ea 20   sub    $0x20,%edx
e9: 80 fa 5e   cmp    $0x5e,%dl
ec: 76 d8      jbe    c6 <encode+0x31>
ee: c6 07 20   movb   $0x20,(%edi)
f1: eb d3      jmp    c6 <encode+0x31>
f3: 5b        pop    %ebx
f4: 5e        pop    %esi
f5: 5f        pop    %edi
f6: 5d        pop    %ebp
f7: c3        ret

000000f8 <do_phase>:
f8: 56        push   %esi
f9: 53        push   %ebx
fa: 83 ec 04   sub    $0x4,%esp
fd: e8 fc ff ff ff call   fe <do_phase+0x6> |fe000000 021f0000
    //缺少__x86.get_pc_thunk.bx
102: 81 c3 02 00 00 00 add    $0x2,%ebx
108: 68 c0 00 00 00 push   $0xc0
10d: e8 fc ff ff ff call   10e <do_phase+0x16> |0e010000 021b0000
    //缺少generate_code
112: 8d b3 00 00 00 00 lea    0x0(%ebx),%esi    //0922 0000
118: 56        push   %esi
119: e8 fc ff ff ff call   11a <do_phase+0x22> //021E 0000
encode
11e: 83 ec 04   sub    $0x4,%esp
121: 56        push   %esi
122: e8 fc ff ff ff call   123 <do_phase+0x2b> //0423 0000
printf
127: 83 c4 14   add    $0x14,%esp
12a: 5b        pop    %ebx
12b: 5e        pop    %esi
12c: c3        ret

```

Disassembly of section .text.__x86.get_pc_thunk.dx:

```

00000000 <__x86.get_pc_thunk.dx>:
0: 8b 14 24   mov    (%esp),%edx
3: c3        ret

```

Disassembly of section .text.__x86.get_pc_thunk.bx:

```

00000000 <__x86.get_pc_thunk.bx>:
0: 8b 1c 24   mov    (%esp),%ebx
3: c3        ret

```

Disassembly of section .text.__x86.get_pc_thunk.si:

```
00000000 <__x86.get_pc_thunk.si>:  
  0:  8b 34 24      mov    (%esp),%esi  
  3:  c3            ret
```