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var.txt

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```

1  /*//////////////////// var1.c //////////////////////*/
2  long test();
3
4  char ret;
5  int x=100;
6  static int si;
7  static int sj = 23;
8
9  int main(int argc, char **argv, char **envp) {
10     unsigned char uc;
11     static short y = 99;
12     short s;
13     char c;
14     unsigned short us;
15     static int i;
16     unsigned int ui;
17     long l;
18     unsigned long ul;
19
20     if (i < 0) {
21         ui = us + s - c;
22     }
23     else {
24         ul = si - sj * 2;
25     }
26
27     while (sj > 0) {
28         uc = y - 3;
29         sj++;
30     }
31
32     ret = test(ui, i, s, us, c, uc, l, ul, x, y);
33
34     return 0;
35 }
36
37
38
39 /*//////////////////// test.c //////////////////////*/
40 long test(unsigned int ui, int i, short s, unsigned short us,
41     char c, unsigned char uc, long l, unsigned long ul,
42     int x, short y)
43 {
44     char c1;
45     int il;
46     char c2;
47
48     ui = 1;
49     i = 2;
50     s = 3;
51     us = 4;
52     c = 5;
53     uc = 6;
54     l = 7;
55     ul = 8;
56     x = 9;
57     y = 10;
58     c1 = 11;
59     c2 = 12;
60     il = 13;
61     return ui * 2 + 1;
62 }
63

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```

64 .sect .text; .sect .rom; .sect .data; .sect .bss
65 .extern _x
66 .sect .data
67 _x:
68 .data4 100
69 _sj:
70 .extern _main
71 .data4 23
72 .sect .text
73 _main:
74 push ebp
75 mov ebp,esp
76 sub esp,20
77 .sect .data
78 I_1:
79 .data4 99
80 .sect .bss
81 .comm I_2,4
82 .sect .text
83 cmp (I_2),0
84 jns I_4
85 movsx eax,-4(ebp)
86 movzx edx,-8(ebp)
87 add eax,edx
88 movsxb ebx,-5(ebp)
89 sub ebx,eax
90 neg ebx
91 mov -12(ebp),ebx
92 jmp I_7
93 I_4:
94 mov edx,(_sj)
95 sal edx,1
96 sub edx,(_si)
97 neg edx
98 mov -20(ebp),edx
99 I_7:
100 ! kill cc
101 cmp (_sj),0
102 jle I_6
103 movsx eax,(I_1)
104 sub eax,3
105 movb -1(ebp),al
106 inc (_sj)
107 jmp I_7
108 I_6:
109 movsx eax,(I_1)
110 movsxb ebx,-5(ebp)
111 movsx ecx,-4(ebp)
112 push eax
113 push (_x)
114 push -20(ebp)
115 push -16(ebp)
116 movzxb eax,-1(ebp)
117 push eax
118 push ebx
119 movzx eax,-8(ebp)
120 push eax
121 push ecx
122 push (I_2)
123 push -12(ebp)
124 call _test
125 add esp,40
126 movb (_ret),al
127 xor eax,eax
128 leave
129 ret
130 .sect .bss
131 .comm _si,4
132 .extern _ret
133 .comm _ret,4
134 .sect .text
135

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```
136 .sect .text; .sect .rom; .sect .data; .sect .bss
137 .extern _test
138 .sect .text
139 _test:
140 push ebp
141 mov ebp,esp
142 sub esp,12
143 mov 8(ebp),1
144 mov 12(ebp),2
145 o16 mov 16(ebp),3
146 o16 mov 20(ebp),4
147 movb 24(ebp),5
148 movb 28(ebp),6
149 mov 32(ebp),7
150 mov 36(ebp),8
151 mov 40(ebp),9
152 o16 mov 44(ebp),10
153 movb -1(ebp),11
154 movb -9(ebp),12
155 mov -8(ebp),13
156 mov edx,8(ebp)
157 sal edx,1
158 add edx,32(ebp)
159 mov eax,edx
160 leave
161 ret
```