```
or help, type "help".

type "apropos word" to search for commands related to "word"...

teading symbols from ./a.out...

geb) list

#include <stdio.h>
            for(int i = 0; i<10; i++)(
    if(i == 3){
                       *p = 5;
continue;
                    printf("Mdin", 1);
            printf("Md\n", *p);
 une number 21 out of range; trail4.c has 20 lines.
gdb) break 7
     point 1 at 0011550 file trails.c, lime 9.
broak 10
point 2 at 0011900 file trails.c, lime 18
 reekpoint 1, main () at trail4.c:9
for(int i = 0; i=10; i==)(
 (gdb) next
 gdb) next
 gdb) print t
 d = 1
gdb) nest
 (gdb) print t
$3 = 2
                 printf("Md\n", t);
 gob) next
 9
(90b) print t
14 = 2
 gob) rest
 gdb) print i
 (odb) nest
 Program received signal SIGSECV, Segmentation fault.
 rogram received signal SIGSEGV, Segmentation rault.
)x00005555555555168 in main () at trail4.c:11
11
                                                      *p = 5;
(gdb) next
Program terminated with signal SIGSEGV, Segmentation fault.
The program no longer exists.
(gdb) quit
```

```
or help, type "help".

spe "apropos word" to search for commands related to "word"...

seding symbols from ./s.cut...

gdb) list

#include<stdio.ho
         double* getptr(){
     double x = 10;
     return &x;
         int main()(
gdb)
                   for(int x = 0; x<5;x++){
    i += x;
                      double z = (i+j)/2;
printf("Xf\n", z);
z = *k;
(gdb)
Line number 27 out of range; trail3.c has 26 lines.
(gdb) break 15
good, Sreak is
Greakpoint 1 at 0x11c0: file trail3.c, line 15.
(gdb) break 24
Freakpoint 2 at 0x1233: file trail3.c, line 26.
(gdb) rm.
(gdb) run
Starting program: /home/student/422162/untx/gdb/a.out
Breakpoint 1, main () at trail).c:15
15 double* k = getptr();
(gdb) next
(gdb) next
(gdb) next
(gdb) next
(gdb) next
(gdb) next
 gdb) next
(gdb) print i
51 = 13
(gdb) next
18
(gdb) print j
52 = 16
(gdb) next
                            double z = (1+j)/2;
(gdb) print i
$3 = 20
(gdb) print z
$4 = 0
(gdb) print j
$5 = 16
(gdb) next
                            printf("%f\n", z);
(gdb) next
18.000000
                            z = *k;
(gdb) next
Program received signal SIGSEGV, Segmentation fault.
8x088855555555225 in main () at trail3.c:23
23 z = *k;
(gdb) next
```

```
rogram terminated with signal SIGSECV, Segmentation fault.
The program no longer exists.
(gdb) disassemble main
  ump of assembler code for function main:
                                                        endbr64
                                                         push Krbp
       x00005555555551b0 <+4-1
                                                                      Wrsp,Wrbp
$8x20,Wrsp
$8xa,-8x1c(Wrbp)
                                                        sub
                                                       movl
                                                                   $8x10,-0x14(%rbp)
$8x0,%eax
     0x0000555555555bf <+19>:
                                                        movl
     0x00005555555551c6 <+26>:
0x00005555555551cb <+31>:
                                                        MOV
                                                        callq
     0x0000335353531c0 <+36>:
0x0000555555551d0 <+36>:
0x0000555555551d4 <446>:
0x0000555555551d4 <447>:
                                                                      %rax,-0x10(%rbp)
                                                                    $8x8,-8x18(%rbp)
                                                        movl
                                                        jmp
mov
                                                                                                 smaln+59>
                                                                    -0x18(%rbp),%eax
%eax,-0x1c(%rbp)
$8x1,-0x18(%rbp)
$8x4,-0x18(%rbp)
                                                        add
     0x00005555555551ed <+55>:
0x00005555555551ed <+65>:
0x00005555555551ed <+65>:
0x00005555555551ed <+65>:
0x00005555555551ed <+68>:
                                                        addl
                                                       ile
nov
                                                                                                   cnatn+49>
                                                                     -0x1c(%rbp),%edx
-0x14(%rbp),%eax
     8x00005555555551f3 <+71>:
8x000055555555551f3 <+73>:
8x00005555555551f7 <+75>:
                                                                    Nedx, Neax
Neax, Nedx
S0x1f, Nedx
Nedx, Neax
                                                       add
nov
     0x00003355555551fa <+78>;

0x00003355555551fc <+80>;

0x00003555555551fc <+82>;

0x0000555555555202 <+86>;

0x0000555555555207 <+91>;
                                                        add
                                                                     Seax
                                                        cvtsl2sd %eax,%xnm8
novsd %xmm0,-0x8(%rbp)
nov -0x8(%rbp),%rax
                                                         movq %rax,%xmm0
lea 0xdf1(%rlp
     8x000055555555218 <+100>:
0x0000555555555217 <+107>:
0x000055555555521 <+112>;
0x0000555555555221 <+117>;
                                                       lea
                                                                                                              # 0x55555556008
                                                                     exdfi(%rlp),%rdl
                                                       mov $6
callq 0
                                                                     $8x1,%eax
                                                                     -0x10(%rbp),%rax
                                                        novsd (%rax),%xnm8
novsd %xmm8,-0x8(%rbp)
nov $0x0,%eax
     8x8666555555555225 <+121>:
     0x00005555555555229 <+125 :
                                  2e <+130>:
                                                         leaveg
                                                        retq
End of assembler dump.
```

Seg fault with infinite recursion:

```
Dame) Studestight - Probest - 600 - 64 - Pi - /421162/usts/yds5 gcd - /a.out
Dame) Studestight - Probest - 600 - 64 - Pi - /421162/usts/yds5 gdd - /a.out
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```