```
Result: Read two sides of one track
 1 ENTRANCE: call readloop();
 2 Procedure readloop()
       clear the times of failed to 0, si \leftarrow 0;
       call retry();
   Procedure retry()
       register parameter preparing;
       read a sector;
 7
       if no carry then
          call next();
       else
10
          add 1 to si, si \leftarrow si + 1:
11
          compare si with 5;
12
          if si >= 5 then
13
              goto error, FINISHED;
14
          else
15
              reset registers and call retry() to read again;
16
          end
17
       end
18
19 Procedure next()
       memory address moved back 0x200;
20
       add 1 to cl, preparing for reading the next sector, cl \leftarrow cl + 1;
21
       if cl \ll 18 then
22
          call readloop() to read this sector;
23
       else
24
          cl > 18, it means that one side of this track is read already;
25
          add 1 to dh, dh \leftarrow dh + 1, reverse the head pointer;
26
          if dh < 2 then
27
              it means the 1 side has not read yet, call readloop();
28
          else
29
              both sides have finished reading, FINSHED;
30
          end
31
       end
32
                 Algorithm 1: read two sides of one track
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