```
11 | #include <math.h>
12 | void tenrootl(double* f, const double* x, int groupcount)
13 | {
14 |     double x0 = x[0] ;
15 |     double x1 = x[1] ;
16 |     double x2 = x[2] ;
17 |     double x3 = x[3] ;
18 |     double x4 = x[4] ;
19 |     double x5 = x[5] ;
20 |     double x6 = x[6] ;
21 |     double x7 = x[7] ;
22 |     double x8 = x[8] ;
23 |     double x9 = x[9] ;
24 |     for (int a=0; a < groupcount; a+=1)
25 |     {
26 |       double r0 = 1.0/sqrt(x0) ;
27 |       double r1 = 1.0/sqrt(x1) ;
28 |       double r2 = 1.0/sqrt(x2) ;
29 |       double r3 = 1.0/sqrt(x3) ;
30 |       double r4 = 1.0/sqrt(x4) ;
31 |       double r5 = 1.0/sqrt(x5) ;
32 |       double r6 = 1.0/sqrt(x6) ;
33 |       double r7 = 1.0/sqrt(x7) ;
34 |       double r8 = 1.0/sqrt(x8) ;
35 |       double r9 = 1.0/sqrt(x9) ;
36 |       x0 = x[a*10+10] ;
37 |       x1 = x[a*10+11] ;
38 |       x2 = x[a*10+12] ;
39 |       x3 = x[a*10+13] ;
40 |       x4 = x[a*10+14] ;
41 |       x5 = x[a*10+15] ;
42 |       x6 = x[a*10+16] ;
43 |       x7 = x[a*10+17] ;
44 |       x8 = x[a*10+18] ;
45 |       x9 = x[a*10+19] ;
46 |       f[a*10+0] = r0 ;
47 |       f[a*10+1] = r1 ;
48 |       f[a*10+2] = r2 ;
49 |       f[a*10+3] = r3 ;
50 |       f[a*10+4] = r4 ;
51 |       f[a*10+5] = r5 ;
52 |       f[a*10+6] = r6 ;
53 |       f[a*10+7] = r7 ;
54 |       f[a*10+8] = r8 ;
55 |       f[a*10+9] = r9 ;
56 |     } /* endfor */
57 | }
```