```
// Kima Khudsinai 40223030
#indude <Stdio.h>
#include <math.h>
struct eq
     double a, b, c;
     double roots [2];
  int to Solve (struct eq *);
  main()
         struct eq to solve;
         scanf ("X.1fx.1fx.4", 4+05due.a, 4+05olve.6, 4+05olve.c);
         if (!+5.1ve.a 44 ! +5.1ve.6)
          switch (solver (4 to Solve))
                Case 0:
                      print ("This equation has no real roots! \n").
                      break;
                 case 1:
                      print ("There is 1 root: "If \n", to Solve roots [07).
                      break:
                      print ("There are 2 roots : 1/14 1/14")
                               wsolve. routs COJ, wsolve. roots [17);
```

```
refusa 0;
int
solver (struct eq * ptr)
8
     double a = ptr-a, b = ptr-b, c = ptr-c;
      if (!~)
             ptr - roots [0] = -c/b;
      double delm = 6 + 6 - 4 * a * c :
      if (delan co)
             return 0;
       ptr -> rook[0] = (-b + sqr+(delta)) / (2 a);
       ptr -> roots [1] = (-6 - szr+ (delta)) / (2#a);
      if (delm)
          return 1;
      return 2;
```