```
407210013 數學三 曾城麒
    (a) 4 > L.R & S.S = L.S + R.S; }
      L > BLs { Ls. i = B.s; L.s = Ls.s; }
     Ls -> BLs1 & Ls1. i = B. s + Le. i * 2; Ls. 5 = Ls1. 5; )
           18 { Ls. s = Ls. i 3 }
     R > BR & F Rs. = 4; R.s = B.s / 2 + Rs. 63
      Rs > BRs1 { Rs1.i = Rs.i * 2; R.s = B.s/Rs.i + Rs1.s;}
         18 f Rs. 5 = 0; }
     B > 0 { B. 5 = 03 }
          11 { B. s = 1; }
•
     (b) double S() {
0
            double ss. ls, rs;
0
            switch (token) {
0
               case 0'=
0
               case 1 =
0
                  ls = L();
0
                  match ('.') 3
0
                  YS = R()3
6
                  35 = ls+ rs 3
0
                  break;
0
               default: error();
0
0
           return 33;
```

```
double L() {
    double bs, lsi, lss, ls;
   switch ( token) {
      case 'o'=
       case '1' =
         bs = B();
         lsi = bs 3
         lss = Ls(lsi);
                                              ls = lss;
        break;
      default : error ();
z return ls;
double Ls1) s
   double bs, l. 11, lsi, ls15, lss 7.
   switch (token) {
      case 'o' =
       case 11 =
         bs=B(); ls1i=bs+lsi*2;
         ls15 = Ls(ls11); ls5 = ls15;
         break;
      case ' . ' = case ' 5 =
        lss: lsi > break;
     default = error ();
   return lss;
```

```
double R() S
double 152, bs, 154, 15 3
            switch (token) {
               case 0' =
                case 1 =
                  rsi = 4; bs = B(); rss = Rs (rsi);
                   rs = bs / 4 +rss; break;
               default : error ();
            return + 53
         double Rs () {
            double 1512, 152, bs, 1515, 155 >
            switch (token) §
                case 0'=
                case 1 =
                   Y51 1 = Y51 * 23
                   bs = B(); rs1s = Rs(rs11);
                   rss = bs / rsi + rs16 ; break;
               case $ =
                   145 = 03 break;
               default = error ();
            return 1553
```

