```
1. A - BCD | fB
                     A : stort symbol
   B > aB | &
   C + b C f | c | E
   D + dD | e | E
(a) First (A) = fa, b, c, d, e, f, & ]
   First (B) = { a, 2}
   First (c) = { b, c, 2}
   First (D) = { d, e, &}
   Follow (A) = { $ }
   Follow (B) = {b, c, d, e, $}
    Follow(c)= fd, e, f, $}
   Follow (D) = $ $ }
(b) void A ( ) {
      switch ( token) {
          case a =
          case b =
          case c:
          case d:
          case e:
          case f :
              match (f); B(); break;
          case $ :
              B(); C(); D(); break;
          default : error ();
```

40) 2/00/3

數學三

曾收戲

編譯器H.W.5.

```
Void B() {
   switch ( token) ?
       case a =
       match(a); B(); break;
       case b =
      case c:
      case d:
     case e=
       case &=
        break;
      default = error ();
void C() {
    switch (token) {
       case b =
         match(b); c(); match(f); break;
        case c:
          match (c); break;
        case d:
        case e:
        case f:
        case $:
         break ;
        default : error ();
```

```
void DI) {
     switch (token) {
         care d =
          match(d); D(); break;
          case e=
            match(e); break;
          case $ :
            break;
          default : error 1);
      3
3
(c)
                  B
           A
                        C
                               D
          A-BCD
                 Brab
      9
          A-BCD
                       c>bcf
      b
                 B> &
      C
          A > BCD
                  B-> E
                       C+C
          A-BCD
      d
                 B-> 2
                              DodD
                       C> &
```

A+BcD

A>fB

A-BCD

9

f

\$

B>2

B+ &

360

3+2

340

Dae

D+8