

6. The codings shown below cause an error:

(i) 

```
DO 1 ;
.
.
DO 1 ;
.
.
END 1 ;
```

The return destination of END 1 is unknown.

(ii) 

```
DO 1 ;
.
.
END 1 ;
.
.
END 1 ;
```

One END 1 is missing.

(iii) 

```
DO 1 ;
.
.
DO 2 ;
.
.
END 1 ;
.
.
END 2 ;
```

Overlap of DO ranges is not permitted. Rewrite as shown right.

```
DO 1 ;
.
.
DO 2 ;
.
.
END 2 ;
.
.
END 1 ;
```

(iv) 

```
DO 1 ;
.
.
DO 2 ;
.
.
DO 3 ;
.
.
DO 1 ;
.
.
END 1 ;
.
.
END 3 ;
.
.
END 2 ;
.
.
END 1 ;
```

Quadruple nesting. Max. nesting permitted is triple.

(v) 

```
DO 1 ;
.
.
N7000... ;
.
.
END 1 ;
.
.
IF... GO TO 7000 ;
```

DO loop may not be entered from outside.

## 2.11.7 REGISTRATION OF USER MACROS

### (1) How To Make Registration of User Macros

The registration and edit of user macro bodies (macro programs) are performed in the same manner as usual part programs and subprograms. Hence, there is no program size restriction that applies to the user macro body only. Part programs, subprograms, and macro programs may be stored together in the part program memory to its full capacity.

### (2) Classification of Program Numbers

The program numbers are classified into the following:

Program No.	Classification
01 to 07999	These programs may be registered, erased, or edited without restrictions.
08000 to 08999	When D4 of #6004 is set to 1, the registration, erase, and edit of programs are disabled.
09000 to 09999	When D7 of #6021 is set to 1, the registration, erase, and edit of programs are disabled.