

(2) If a FAST region of code (a section between FAST and FAST END) includes FOR, WHILE, REPEAT, ELSE, or IF DO, then it must also include the corresponding NEXT, WEND, UNTIL, or ENDIF. For example, the following programs will give the error message 'FAST PLACEMENT ERROR AT LINE 130':

```
100 FAST
110 FOR T=1 TO 7
120 S=S+T
130 FAST END
140 NEXT T
```

```
100 FAST
110 FOR T=1 TO 7
120 S=S+T
130 FAST END
140 C=C*T+1
150 FAST
160 NEXT T
170 FAST END
```

In the second program it is true that FOR and its accompanying NEXT are both in FAST sections of code, but they must be in the same FAST section.

(3) If a FAST region of code includes NEXT, WEND, UNTIL, or ENDIF it must also include the accompanying FOR, WHILE, REPEAT, or IF DO.

(4) If ON GOTO or ON GOSUB is in a FAST region, all the line numbers referred to in the command must be in FAST regions. However they do not have to be in the same FAST region as the ON command. Conversely, if ON GOTO or ON GOSUB is not in a FAST region, none of the referenced line numbers may be in FAST regions. For example:

```
100 FAST
110 ON T% GOSUB 200,300
120 FAST END
130 PRINT A$
140 END
190 FAST
200 A$="200":RETURN
300 A$="300":RETURN
310 FAST END
```

The above example will work even though the ON GOSUB is in a different FAST region than lines 200 and 300. If you did not include lines 190 and 310 you will get the error message 'FAST PLACEMENT ERROR AT LINE 110.'

(5) You can use GOTO or GOSUB from a FAST region to a non-FAST region and vice-versa. For example:

```
100 INPUT T
110 GOSUB 200:GOSUB 300
120 PRINT S,B:A@:END
130 FAST
200 S=T*T+1:RETURN
300 B=SQR(T):RETURN
400 SUB A@:? "DONE":SUBEND
500 FAST END
```