The ‘TWAIT’ command pauses program execution until motion is complete. Instead of using ‘TWAIT’, a routine could be written that does much more. To start with, the following code example would perform the same function as ‘TWAIT’:

```
WHILE Bt 'While trajectory
    LOOP 'Loop back
```

Alternatively, the above routine could be augmented with code that took specific action in the event of an index signal as is shown in the following example:

```
WHILE Bt 'While trajectory
    IF Bi 'Check index
        GOSUB500 'take care of it
    ENDIF 'end checking
    LOOP 'Loop back
```