```
procedure ASSIGN
        begin
            FOUND := FALSE
            if TOKEN = 22 {id} then
                begin
                    advance to next token
                    if TOKEN = 15 { := } then
                        begin
                            advance to next token
                            if EXP returns success then
                                FOUND := TRUE
                        end {if := }
                end {if id}
            if FOUND = TRUE then
                return success
            else
                return failure
        end {ASSIGN}


procedure EXP
        begin
            FOUND := FALSE
            if TERM returns success then
                begin
                    FOUND := TRUE
                    while ((TOKEN = 16 {+}) or (TOKEN = 17 {-}))
                        and ( FOUND = TRUE ) do
                            begin
                                advance to next token
                                if TERM returns failure then
                                    FOUND := FALSE
                            end {while}
                end {if TERM}
            if FOUND = TRUE then
                return success
            else
                return failure
        end {EXP}
```

Figure 5.17 Recursive-descent parse of an assignment statement.