

```
469         else if (Scanner.TokenCode == IF)
470         {
471             GetNextToken();
472             branchQuad = RelExpression();
473             if (Scanner.TokenCode == THEN)
474             {
475                 GetNextToken();
476                 Statement();
477
478                 if (Scanner.TokenCode == ELSE)
479                 {
480                     GetNextToken();
481
482                     patchElse = Quads.NextQuad();
483                     Quads.AddQuad(BR, -1, -1, 0);
484                     Quads.SetQuadOp3(branchQuad, Quads.NextQuad());
485
486                     Statement();
487
488                     Quads.SetQuadOp3(patchElse, Quads.NextQuad());
489                 }
490             else
491             {
492                 Quads.SetQuadOp3(branchQuad, Quads.NextQuad());
493             }
494         }
495     else
496         UnexpectedTokenError("THEN");
497 }
```