```
    1:     [* This test file should contain 23 errors *]
    2:
    3:     $$
    4:     real realVarA ,realVarB , realVarC;
    5:
    6:     int XCoord, YCoord, ZCoord;
    7:     int XCoord; [* duplicate symbol *]
    8:     int aCoord, bCoord, cCoord;
    9:     int operation;
   10:
   11:     boolean success;
   12:
   13:     realVarA = 10123; [* type mismatch *]
   14:     realVarB = 610; [* type mismatch *]
   15:     realVarC = 3; [* type mismatch *]
   16:     XCoord = 20;
   17:     YCoord = 912;
   18:     ZCoord = 120;
   19:     aCoord = true; [* type mismatch *]
   20:     bCoord = false; [* type mismatch *]
   21:     cCoord = unknown; [* undeclared variable *]
   22:     unknown = cCoord; [* undeclared variable *]
   23:     success = 420; [* type mismatch *]
   24:
   25:     realVarA = XCoord; [* type mismatch *]
   26:
   27:     get(operation);
   28:
   29:     [* undeclared var in condition tests *]
   30:         [* 1 *]
   31:     if(unknown == 5) [*undeclared variable *]
   32:     {
   33:         success = false;
   34:     }ifend
   35:
   36:         [* 2 *]
   37:     if(5 == unknown) [*undeclared variable *]
   38:     {
   39:         success = true;
   40:     }ifend
   41:
   42:     while(operation ^= 0 ){
   43:         if(operation == 1)
   44:         {
   45:             aCoord = realVarA + XCoord; [* type mismatch *]
   46:             bCoord = realVarB + YCoord; [* type mismatch *]
   47:             cCoord = realVarC + ZCoord; [* type mismatch *]
   48:         }ifend
   49:         if(operation == 2.0) [* type mismatch *]
   50:         {
   51:             aCoord = realVarA - XCoord; [* type mismatch *]
   52:             bCoord = realVarB - YCoord; [* type mismatch *]
   53:             cCoord = realVarC - ZCoord; [* type mismatch *]
   54:         }ifend
   55:         if(operation == 3)
   56:         {
   57:             aCoord = XCoord * 2;
   58:             bCoord = YCoord * 1.5; [* type mismatch *]
   59:             cCoord = ZCoord * ZCoord;
   60:         }ifend
   61:         if(operation == 45)
   62:         {
   63:             aCoord = realVarA / XCoord; [* type mismatch *]
   64:             bCoord = realVarB / YCoord; [* type mismatch *]
   65:             cCoord = realVarC / ZCoord; [* type mismatch *]
   66:
   67:         }ifend
   68:         if( operation > 4)
   69:         {
   70:             operation = 0;
   71:         }ifend
   72:         if (operation > 0)
   73:         {
   74:             operation = 0;
   75:         }ifend
   76:         operation = operation - 1;
   77:     }whileend
   78:
   79:     put(aCoord);
   80:     put(bCoord);
   81:     put(cCoord);
   82:
   83:     $$
```