```
%add = add nsw i32 %i.0, %j.0, !dbg !984
                                                 %add7 = add nsw i32 %add, %k.0, !dbg !986
                                                      %div = sdiv i32 %add7, 3, !dbg !987
              call void @llvm.dbg.value(metadata i32 %div, metadata !988, metadata !DIExpression()), !dbg !989
                                                  %idxprom = sext i32 %i.0 to i64, !dbg !990
   %arrayidx = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]* %a, i64 0, i64 %idxprom, !dbg !990 %idxprom8 = sext i32 %j.0 to i64, !dbg !990
                    9 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx, i64 0, i64 %idxprom8, !dbg !990 %idxprom10 = sext i32 %k.0 to i64, !dbg !990

11 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx9, i64 0, i64 %idxprom10, !dbg !990
                                             %0 = load i32, i32* %arrayidx11, align 4, !dbg !990
%add12 = add nsw i32 %0, %div, !dbg !991
                                              %idxprom13 = sext i32 %i.0 to i64, !dbg !992
%arrayidx14 = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]* %a, i64 0, i64 %idxprom13, !dbg !992
   %arrayidx16 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx14, i64 0, i64 %idxprom15, !dbg !992 %idxprom17 = sext i32 %k.0 to i64, !dbg !992
            %arrayidx18 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx16, i64 0, i64 %idxprom17, !dbg !992 store i32 %add12, i32* %arrayidx18, align 4, !dbg !993
```

br label %for.inc, !dbg !994

```
for.cond1: ; preds = %for.inc19, %for.body
%j.0 = phi i32 [ 0, %for.body ], [ %inc20, %for.inc19 ], !dbg !971
@llvm.dbg.value(metadata i32 %j.0, metadata !966, metadata !DIExpression()), !dbg !969
%cmp2 = icmp slt i32 %j.0, 10, !dbg !973
br i1 %cmp2, label %for.body3, label %for.end21, !dbg !974
```

[1/6]

for.inc: ; preds = %for.body6
 %inc = add nsw i32 %k.0, 1, !dbg !995

vm.dbg.value(metadata i32 %inc, metadata !975, metadata !DIExpression()), !dbg !978

br label %for.cond4, !dbg !996, !llvm.loop !997

[1/6]

for.cond4: ; preds = %for.inc, %for.body3
 %k.0 = phi i32 [ 1, %for.body3 ], [ %inc, %for.inc ], !dbg !980

call void @llvm.dbg.value(metadata i32 %k.0, metadata !975, metadata !DIExpression()
 %cmp5 = icmp slt i32 %k.0, 5, !dbg !982

br i1 %cmp5, label %for.body6, label %for.end, !dbg !983