```
[4/13]
for.cond4:                                          ; preds = %for.inc17, %for.body3
    %2 = load i32, i32* %k, align 4, !dbg !984
    %cmp5 = icmp slt i32 %2, 10, !dbg !986
    br i1 %cmp5, label %for.body6, label %for.end19, !dbg !987
```

```
[9/10]
for.end:                                            ; preds = %for.cond7
    br label %for.inc17, !dbg !1011
```

```
[2/3]
for.body6:                                          ; preds = %for.cond4
    call void @llvm.dbg.declare(metadata i32* %m, metadata !988, metadata !DIExpression()), !dbg !991
    store i32 0, i32* %m, align 4, !dbg !991
    br label %for.cond7, !dbg !992
```

```
[5/8]
for.cond7:                                          ; preds = %for.inc, %for.body6
    %3 = load i32, i32* %m, align 4, !dbg !993
    %cmp8 = icmp slt i32 %3, 5, !dbg !995
    br i1 %cmp8, label %for.body9, label %for.end, !dbg !996
```

```
[11/12]
for.inc17:                                           ; preds = %for.end
    %9 = load i32, i32* %k, align 4, !dbg !1012
    %inc18 = add nsw i32 %9, 1, !dbg !1012
    store i32 %inc18, i32* %k, align 4, !dbg !1012
    br label %for.cond4, !dbg !1013, !llvm.loop !1014
```

```
[6/7]
for.body9:                                          ; preds = %for.cond7
    %call10 = call i32 @rand() #3, !dbg !997
    %rem = srem i32 %call10, 10, !dbg !999
    %4 = load i32, i32* %i, align 4, !dbg !1000
    %idxprom = sext i32 %4 to i64, !dbg !1001
    %arrayidx = getelementptr inbounds [100 x [10 x [10 x [5 x i32]]]], [100 x [10 x [10 x [5 x i32]]]]* %a, i64 0, i64 %idxprom, !dbg !1001
    %5 = load i32, i32* %j, align 4, !dbg !1002
    %idxprom11 = sext i32 %5 to i64, !dbg !1001
    %arrayidx12 = getelementptr inbounds [10 x [10 x [5 x i32]]], [10 x [10 x [5 x i32]]]* %arrayidx, i64 0, i64 %idxprom11, !dbg !1001
    %6 = load i32, i32* %k, align 4, !dbg !1003
    %idxprom13 = sext i32 %6 to i64, !dbg !1001
    %arrayidx14 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx12, i64 0, i64 %idxprom13, !dbg !1001
    %7 = load i32, i32* %m, align 4, !dbg !1004
    %idxprom15 = sext i32 %7 to i64, !dbg !1001
    %arrayidx16 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx14, i64 0, i64 %idxprom15, !dbg !1001
    store i32 %rem, i32* %arrayidx16, align 4, !dbg !1005
    br label %for.inc, !dbg !1006
```

```
[0/1]
for.inc:                                             ; preds = %for.body9
    %8 = load i32, i32* %m, align 4, !dbg !1007
    %inc = add nsw i32 %8, 1, !dbg !1007
    store i32 %inc, i32* %m, align 4, !dbg !1007
    br label %for.cond7, !dbg !1008, !llvm.loop !1009
```