```
[6/9]
for.cond:                                              ; preds = %for.inc, %entry
  %i.0 = phi i32 [ 0, %entry ], [ %inc, %for.inc ], !dbg !1295
  call void @llvm.dbg.value(metadata i32 %i.0, metadata !1291, metadata !DIExpression()), !dbg !1293
  %0 = load i32, i32* %n, align 4, !dbg !1297
  %cmp = icmp slt i32 %i.0, %0, !dbg !1298
  br i1 %cmp, label %for.body, label %for.end, !dbg !1299
```

```
[0/1]
for.inc:                                    ; preds = %if.end
  %inc = add nsw i32 %i.0, 1, !dbg !1314
  call void @llvm.dbg.value(metadata i32 %inc, metadata !1291, metadata !DIExpression()), !dbg !1293
  br label %for.cond, !dbg !1315, !llvm.loop !1316
```
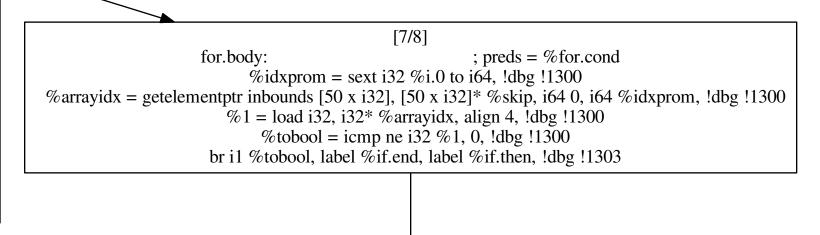
```
[2/3]
if.end:                                              ; preds = %if.then, %for.body
  %idxprom5 = sext i32 %i.0 to i64, !dbg !1309
  %arrayidx6 = getelementptr inbounds [50 x i32], [50 x i32]* %index, i64 0, i64 %idxprom5, !dbg !1309
  %3 = load i32, i32* %arrayidx6, align 4, !dbg !1309
  %idxprom7 = sext i32 %i.0 to i64, !dbg !1310
  %arrayidx8 = getelementptr inbounds [50 x i32], [50 x i32]* %index, i64 0, i64 %idxprom7, !dbg !1310
  %4 = load i32, i32* %arrayidx8, align 4, !dbg !1310
  %idxprom9 = sext i32 %4 to i64, !dbg !1311
  %arrayidx10 = getelementptr inbounds [100 x i32], [100 x i32]* %b, i64 0, i64 %idxprom9, !dbg !1311
  store i32 %3, i32* %arrayidx10, align 4, !dbg !1312
  br label %for.inc, !dbg !1313
```

```
[7/8]
for.body:                                    ; preds = %for.cond
  %idxprom = sext i32 %i.0 to i64, !dbg !1300
  %arrayidx = getelementptr inbounds [50 x i32], [50 x i32]* %skip, i64 0, i64 %idxprom, !dbg !1300
  %1 = load i32, i32* %arrayidx, align 4, !dbg !1300
  %tobool = icmp ne i32 %1, 0, !dbg !1300
  br i1 %tobool, label %if.end, label %if.then, !dbg !1303
```

```
[4/5]
if.then:                                              ; preds = %for.body
  %idxprom1 = sext i32 %i.0 to i64, !dbg !1304
  %arrayidx2 = getelementptr inbounds [50 x i32], [50 x i32]* %index, i64 0, i64 %idxprom1, !dbg !1304
  %2 = load i32, i32* %arrayidx2, align 4, !dbg !1304
  %idxprom3 = sext i32 %2 to i64, !dbg !1306
  %arrayidx4 = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom3, !dbg !1306
  store i32 0, i32* %arrayidx4, align 4, !dbg !1307
  br label %if.end, !dbg !1308
```