```
for.cond:                              ; preds = %for.inc, %entry
  %i.0 = phi i32 [ 0, %entry ], [ %inc, %for.inc ], !dbg !1306
  call void @llvm.dbg.value(metadata i32 %i.0, metadata !1302, metadata !DIExpression()), !dbg !1304
  %cmp = icmp slt i32 %i.0, 100, !dbg !1308
  br i1 %cmp, label %for.body, label %for.end, !dbg !1309
```

```
for.end:                               ; preds = %for.cond
  ret i32 0, !dbg !1320
```

```
entry:
  %a = alloca [100 x i32], align 16
  call void @llvm.dbg.declare(metadata [100 x i32]* %a, metadata !1293, metadata !DIExpression()), !dbg !1297
  call void @llvm.dbg.value(metadata i32 100, metadata !1298, metadata !DIExpression()), !dbg !1299
  call void @llvm.dbg.declare(metadata !21, metadata !1300, metadata !DIExpression()), !dbg !1301
  call void @llvm.dbg.value(metadata i32 0, metadata !1302, metadata !DIExpression()), !dbg !1304
  br label %for.cond, !dbg !1305
```

```
for.inc:                               ; preds = %for.body
  %inc = add nsw i32 %i.0, 1, !dbg !1316
  call void @llvm.dbg.value(metadata i32 %inc, metadata !1302, metadata !DIExpression()), !dbg !1304
  br label %for.cond, !dbg !1317, !llvm.loop !1318
```

```
for.body:                              ; preds = %for.cond
  %sub = sub nsw i32 %i.0, 1, !dbg !1310
  %idxprom = sext i32 %sub to i64, !dbg !1312
  %arrayidx = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom, !dbg !1312
  %0 = load i32, i32* %arrayidx, align 4, !dbg !1312
  %idxprom1 = sext i32 %i.0 to i64, !dbg !1313
  %arrayidx2 = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom1, !dbg !1313
  store i32 %0, i32* %arrayidx2, align 4, !dbg !1314
  br label %for.inc, !dbg !1315
```