

[2/3]

```
if.end:                                ; preds = %for.body4
    %sub = sub nsw i32 100, %i1.0, !dbg !1309
    %idxprom8 = sext i32 %i1.0 to i64, !dbg !1310
    %arrayidx9 = getelementptr inbounds [100 x i32], [100 x i32]* %array, i64 0, i64 %idxprom8, !dbg !1310
    store i32 %sub, i32* %arrayidx9, align 4, !dbg !1311
    br label %for.inc10, !dbg !1312
```

[0/1]

```
for.inc10:                             ; preds = %if.end
    %inc11 = add nsw i32 %i1.0, 1, !dbg !1313
    call void @llvm.dbg.value(metadata i32 %inc11, metadata !1295, metadata !DIExpression()), !dbg !1297
    br label %for.cond2, !dbg !1314, !llvm.loop !1315
```

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```
for.cond2:                             ; preds = %for.inc10, %for.end
    %i1.0 = phi i32 [ 0, %for.end ], [ %inc11, %for.inc10 ], !dbg !1299
    call void @llvm.dbg.value(metadata i32 %i1.0, metadata !1295, metadata !DIExpression()), !dbg !1297
    %cmp3 = icmp slt i32 %i1.0, 100, !dbg !1301
    br i1 %cmp3, label %for.body4, label %for.end12, !dbg !1302
```

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```
for.body4:                             ; preds = %for.cond2
    %idxprom5 = sext i32 %i1.0 to i64, !dbg !1303
    %arrayidx6 = getelementptr inbounds [100 x i32], [100 x i32]* %array, i64 0, i64 %idxprom5, !dbg !1303
    %0 = load i32, i32* %arrayidx6, align 4, !dbg !1303
    %cmp7 = icmp sgt i32 %0, 50, !dbg !1306
    br i1 %cmp7, label %if.then, label %if.end, !dbg !1307
```