```
%a = alloca [100 x i32], align 16
                                                                      for.cond:
                                                                                                         ; preds = %for.inc, %entry
                                                                        %i.0 = phi i32 [ 0, %entry ], [ %inc, %for.inc ], !dbg !1306
                                                                                                                                                               call void @llvm.dbg.declare(metadata [100 x i32]* %a, metadata !1293, metadata !DIExpression()), !dbg !1297
                                                    call void @llvm.dbg.value(metadata i32 %i.0, metadata !1302, metadata !DIExpression()), !dbg !1304
                                                                                                                                                                    call void @llvm.dbg.value(metadata i32 100, metadata !1298, metadata !DIExpression()), !dbg !1299
                                                                                %cmp = icmp slt i32 %i.0, 100, !dbg !1308
                                                                                                                                                                     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 i1 %cmp, label %for.body, label %for.end, !dbg !1309
                                                                                                                                                                                                     br label %for.cond, !dbg !1305
                                                                                                                             for.body:
                                                                                                                                                                ; preds = \% for .cond
                                                                                                                                      %sub = sub nsw i32 %i.0, 1, !dbg !1310
                                                                                                                                   %idxprom = sext i32 %sub to i64, !dbg !1312
                     for.inc:
                                                      ; preds = \% for.body
                                                                                                         %arrayidx = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom, !dbg !1312
                             %inc = add nsw i32 %i.0, 1, !dbg !1316
                                                                                                                                 %0 = load i32, i32* %arrayidx, align 4, !dbg !1312
call void @llvm.dbg.value(metadata i32 %inc, metadata !1302, metadata !DIExpression()), !dbg !1304
                                                                                                                                   %idxprom1 = sext i32 %i.0 to i64, !dbg !1313
                         br label %for.cond, !dbg !1317, !llvm.loop !1318
                                                                                                         %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
```

[4/5] for.end: ; preds = %for.cond ret i32 0, !dbg !1320