```
for.cond1:                                          ; preds = %for.inc, %for.body
  %ix.0 = phi i32 [ 0, %for.body ], [ %inc, %for.inc ], !dbg !1317
  call void @llvm.dbg.value(metadata i32 %ix.0, metadata !1312, metadata !DIExpression()), !dbg !1313
  %cmp2 = icmp slt i32 %ix.0, 100, !dbg !1319
  br i1 %cmp2, label %for.body3, label %for.end, !dbg !1320
```

```
for.body3:                                          ; preds = %for.cond1
  %idxprom = sext i32 %iz.0 to i64, !dbg !1321
  %arrayidx = getelementptr inbounds [100 x [100 x [100 x double]]], [100 x [100 x [100 x double]]]* %x1, i64 0, i64 %idxprom, !dbg !1321
  %arrayidx4 = getelementptr inbounds [100 x [100 x double]], [100 x [100 x double]]* %arrayidx, i64 0, i64 0, !dbg !1321
  %idxprom5 = sext i32 %ix.0 to i64, !dbg !1321
  %arrayidx6 = getelementptr inbounds [100 x double], [100 x double]* %arrayidx4, i64 0, i64 %idxprom5, !dbg !1321
  %0 = load double, double* %arrayidx6, align 8, !dbg !1321
  %idxprom7 = sext i32 %iz.0 to i64, !dbg !1323
  %arrayidx8 = getelementptr inbounds [100 x [100 x [100 x double]]], [100 x [100 x [100 x double]]]* %y, i64 0, i64 %idxprom7, !dbg !1323
  %arrayidx9 = getelementptr inbounds [100 x [100 x double]], [100 x [100 x double]]* %arrayidx8, i64 0, i64 0, !dbg !1323
  %idxprom10 = sext i32 %ix.0 to i64, !dbg !1323
  %arrayidx11 = getelementptr inbounds [100 x double], [100 x double]* %arrayidx9, i64 0, i64 %idxprom10, !dbg !1323
  store double %0, double* %arrayidx11, align 8, !dbg !1324
  %idxprom12 = sext i32 %iz.0 to i64, !dbg !1325
  %arrayidx13 = getelementptr inbounds [100 x [100 x [100 x double]]], [100 x [100 x [100 x double]]]* %y, i64 0, i64 %idxprom12, !dbg !1325
  %arrayidx14 = getelementptr inbounds [100 x [100 x double]], [100 x [100 x double]]* %arrayidx13, i64 0, i64 1, !dbg !1325
  %idxprom15 = sext i32 %ix.0 to i64, !dbg !1325
  %arrayidx16 = getelementptr inbounds [100 x double], [100 x double]* %arrayidx14, i64 0, i64 %idxprom15, !dbg !1325
  store double 0.000000e+00, double* %arrayidx16, align 8, !dbg !1326
  %idxprom17 = sext i32 %iz.0 to i64, !dbg !1327
  %arrayidx18 = getelementptr inbounds [100 x [100 x [100 x double]]], [100 x [100 x [100 x double]]]* %x1, i64 0, i64 %idxprom17, !dbg !1327
  %arrayidx19 = getelementptr inbounds [100 x [100 x double]], [100 x [100 x double]]* %arrayidx18, i64 0, i64 99, !dbg !1327
  %idxprom20 = sext i32 %ix.0 to i64, !dbg !1327
  %arrayidx21 = getelementptr inbounds [100 x double], [100 x double]* %arrayidx19, i64 0, i64 %idxprom20, !dbg !1327
  %1 = load double, double* %arrayidx21, align 8, !dbg !1327
  %idxprom22 = sext i32 %iz.0 to i64, !dbg !1328
  %arrayidx23 = getelementptr inbounds [100 x [100 x [100 x double]]], [100 x [100 x [100 x double]]]* %y, i64 0, i64 %idxprom22, !dbg !1328
  %arrayidx24 = getelementptr inbounds [100 x [100 x double]], [100 x [100 x double]]* %arrayidx23, i64 0, i64 2, !dbg !1328
  %idxprom25 = sext i32 %ix.0 to i64, !dbg !1328
  %arrayidx26 = getelementptr inbounds [100 x double], [100 x double]* %arrayidx24, i64 0, i64 %idxprom25, !dbg !1328
  store double %1, double* %arrayidx26, align 8, !dbg !1329
  br label %for.inc, !dbg !1330
```

```
for.inc:                                          ; preds = %for.body3
  %inc = add nsw i32 %ix.0, 1, !dbg !1331
  call void @llvm.dbg.value(metadata i32 %inc, metadata !1312, metadata !DIExpression()), !dbg !1313
  br label %for.cond1, !dbg !1332, !llvm.loop !1333
```