for.cond4: ; preds = %for.inc, %for.body3 %k.0 = phi i32 [1, %for.body3], [%inc, %for.inc], !dbg !980 call void @llvm.dbg.value(metadata i32 %k.0, metadata !975, metadata !DIExpression()), !dbg !978 %cmp5 = icmp slt i32 %k.0, 5, !dbg !982 br i1 %cmp5, label %for.body6, label %for.end, !dbg !983 ; preds = %for.cond4 %add = add nsw i32 %i.0, %j.0, !dbg !984 %add7 = add nsw i32 %add, %k.0, !dbg !986 %div = sdiv i32 %add7, 3, !dbg !987 call void @llvm.dbg.value(metadata i32 %div, metadata !988, metadata !DIExpression()), !dbg !989 %idxprom = sext i32 %i.0 to i64, !dbg !990 %arrayidx = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]* %a, i64 0, i64 %idxprom, !dbg !990 %idxprom8 = sext i32 %j.0 to i64, !dbg !990 %arrayidx9 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx, i64 0, i64 %idxprom8, !dbg !990 %sub = sub nsw i32 %k.0, 1, !dbg !991 %idxprom10 = sext i32 %sub to i64, !dbg !990 %arrayidx11 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx9, i64 0, i64 %idxprom10, !dbg !990 call void @llvm.dbg.value(metadata i32 %inc, metadata !975, metadata !DIExpression()), !dbg !978 %0 = load i32, i32* %arrayidx11, align 4, !dbg !990 %add12 = add nsw i32 %0, %div, !dbg !992 %idxprom13 = sext i32 %i.0 to i64, !dbg !993 %arrayidx14 = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]* %a, i64 0, i64 %idxprom13, !dbg !993 %idxprom15 = sext i32 %j.0 to i64, !dbg !993 %arrayidx16 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx14, i64 0, i64 %idxprom15, !dbg !993 %idxprom17 = sext i32 %k.0 to i64, !dbg !993 %arrayidx18 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx16, i64 0, i64 %idxprom17, !dbg !993 store i32 %add12, i32* %arrayidx18, align 4, !dbg !994 br label %for.inc, !dbg !995

for.inc:

; preds = %for.body6

%inc = add nsw i32 %k.0, 1, !dbg !996

br label %for.cond4, !dbg !997, !llvm.loop !998

for.body6:

[12/13]; preds = %for.inc19, %for.body for.cond1: %j.0 = phi i32 [0, %for.body], [%inc20, %for.inc19], !dbg !971 call void @llvm.dbg.value(metadata i32 %j.0, metadata !966, metadata !DIExpression()), !dbg !969 %cmp2 = icmp slt i32 %j.0, 10, !dbg !973 br i1 %cmp2, label %for.body3, label %for.end21, !dbg !974 for.inc19: [4/5]

for.body3: ; preds = %for.cond1 call void @llvm.dbg.value(metadata i32 1, metadata !975, metadata !DIExpression()), !dbg !978 br label %for.cond4, !dbg !979

; preds = %for.cond4 for.end: br label %for.inc19, !dbg !1000

; preds = %for.end %inc20 = add nsw i32 %j.0, 1, !dbg !1001 call void @llvm.dbg.value(metadata i32 %inc20, metadata !966, metadata !DIExpression()), !dbg !969 br label %for.cond1, !dbg !1002, !llvm.loop !1003