## [2/5] 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 %i.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 for.inc: %idxprom10 = sext i32 %k.0 to i64, !dbg !990 %arrayidx11 = getelementptr inbounds [5 x i32], [5 x i32]\* %arrayidx9, i64 0, i64 %idxprom10, !dbg !990

[3/4]

%0 = load i32, i32\* %arrayidx11, align 4, !dbg !990

%add12 = add nsw i32 %0, %div, !dbg !991 %idxprom13 = sext i32 %i.0 to i64, !dbg !992 %arrayidx14 = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]\* %a, i64 0, i64 %idxprom13, !dbg !992 %idxprom15 = sext i32 %j.0 to i64, !dbg !992 %arrayidx16 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]\* %arrayidx14, i64 0, i64 %idxprom15, !dbg !992 %idxprom17 = sext i32 %k.0 to i64, !dbg !992 %arrayidx18 = getelementptr inbounds [5 x i32], [5 x i32]\* %arrayidx16, i64 0, i64 %idxprom17, !dbg !992 store i32 %add12, i32\* %arrayidx18, align 4, !dbg !993 br label %for.inc, !dbg !994

for.body6:

; preds = % for.body6%inc = add nsw i32 %k.0, 1, !dbg !995 call void @llvm.dbg.value(metadata i32 %inc, metadata !975, metadata !DIExpression()), !dbg !978 br label %for.cond4, !dbg !996, !llvm.loop !997

[0/1]