for.cond15: ; preds = %for.inc36, %for.body13 %j14.0 = phi i32 [ 0, %for.body13 ], [ %inc37, %for.inc36 ], !dbg !1003 call void @llvm.dbg.value(metadata i32 %j14.0, metadata !998, metadata !DIExpression()), !dbg !1001 %cmp16 = icmp slt i32 %j14.0, 10, !dbg !1005 br i1 %cmp16, label %for.body17, label %for.end38, !dbg !1006 [11/12] for.cond18: ; preds = %for.inc33, %for.body17 [9/10] for.inc36: ; preds = % for.end35%k.0 = phi i32 [ 1, %for.body17 ], [ %inc34, %for.inc33 ], !dbg !1012 for.end35: ; preds = %for.cond18 %inc37 = add nsw i32 %j14.0, 1, !dbg !1028 call void @llvm.dbg.value(metadata i32 %k.0, metadata !1007, metadata !DIExpression()), !dbg !1010 br label %for.inc36, !dbg !1027 call void @llvm.dbg.value(metadata i32 %inc37, metadata !998, metadata !DIExpression()), !dbg !1001 %cmp19 = icmp slt i32 %k.0, 5, !dbg !1014 br label %for.cond15, !dbg !1029, !llvm.loop !1030 br i1 %cmp19, label %for.body20, label %for.end35, !dbg !1015 for.body20: ; preds = % for.cond18%idxprom21 = sext i32 %i10.0 to i64, !dbg !1016 %arrayidx22 = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]\* %a, i64 0, i64 %idxprom21, !dbg !1016 %idxprom23 = sext i32 %j14.0 to i64, !dbg !1016 %sub = sub nsw i32 %k.0, 1, !dbg !1018 %idxprom25 = sext i32 %sub to i64, !dbg !1016 [0/1] %arrayidx26 = getelementptr inbounds [5 x i32], [5 x i32]\* %arrayidx24, i64 0, i64 %idxprom25, !dbg !1016 for.inc33: ; preds = % for.body20%0 = load i32, i32\* %arrayidx26, align 4, !dbg !1016 %inc34 = add nsw i32 %k.0, 1, !dbg !1023 %add = add nsw i32 %0, 1, !dbg !1019 call void @llvm.dbg.value(metadata i32 %inc34, metadata !1007, metadata !DIExpression()), !dbg !1010 br label %for.cond18, !dbg !1024, !llvm.loop !1025 %idxprom27 = sext i32 %i10.0 to i64, !dbg !1020 % arrayidx 28 = getelement ptr inbounds [ $100 \times [10 \times [5 \times i32]]$ ], [ $100 \times [10 \times [5 \times i32]]$ ] \* % a, i64 0, i64 % idxprom 27, !dbg !1020%idxprom29 = sext i32 %j14.0 to i64, !dbg !1020 %arrayidx30 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]\* %arrayidx28, i64 0, i64 %idxprom29, !dbg !1020 %idxprom31 = sext i32 %k.0 to i64, !dbg !1020 %arrayidx32 = getelementptr inbounds [5 x i32], [5 x i32]\* %arrayidx30, i64 0, i64 %idxprom31, !dbg !1020 store i32 %add, i32\* %arrayidx32, align 4, !dbg !1021

br label %for.inc33, !dbg !1022

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for.body17: ; preds = %for.cond15 call void @llvm.dbg.value(metadata i32 1, metadata !1007, metadata !DIExpression()), !dbg !1010 br label %for.cond18, !dbg !1011