for.cond18: ; preds = %for.inc33, %for.body17 %k.0 = phi i32 [1, %for.body17], [%inc34, %for.inc33], !dbg !1012 call void @llvm.dbg.value(metadata i32 %k.0, metadata !1007, metadata !DIExpression()), !dbg !1010 %cmp19 = icmp slt i32 %k.0, 5, !dbg !1014 br i1 %cmp19, label %for.body20, label %for.end35, !dbg !1015

for.inc33: ; preds = %for.body20 %inc34 = add nsw i32 %k.0, 1, !dbg !1023 call void @llvm.dbg.value(metadata i32 %inc34, metadata !1007, metadata !DIExpression()), !dbg !1010 br label %for.cond18, !dbg !1024, !llvm.loop !1025

```
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
   %arrayidx24 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx22, i64 0, i64 %idxprom23, !dbg !1016
                                          %sub = sub nsw i32 %k.0, 1, !dbg !1018
                                      %idxprom25 = sext i32 %sub to i64, !dbg !1016
         %arrayidx26 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx24, i64 0, i64 %idxprom25, !dbg !1016
                                    %0 = load i32, i32* %arrayidx26, align 4, !dbg !1016
                                          %add = add nsw i32 %0, 1, !dbg !1019
                                     %idxprom27 = sext i32 %i10.0 to i64, !dbg !1020
%arrayidx28 = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]* %a, i64 0, i64 %idxprom27, !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
```