

```

[2/3]
for.inc11:                                ; preds = %for.end
    %inc12 = add nsw i32 %j.0, 1, !dbg !995
call void @llvm.dbg.value(metadata i32 %inc12, metadata !966, metadata !DIExpression()), !dbg !969
    br label %for.cond1, !dbg !996, !llvm.loop !997

```

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[0/1]
for.inc:                                ; preds = %for.body6
    %inc = add nsw i32 %k.0, 1, !dbg !990
call void @llvm.dbg.value(metadata i32 %inc, metadata !975, metadata !DIExpression()), !dbg !978
    br label %for.cond4, !dbg !991, !llvm.loop !992

```

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[5/6]
for.body3:                                ; preds = %for.cond1
call void @llvm.dbg.value(metadata i32 0, metadata !975, metadata !DIExpression()), !dbg !978
    br label %for.cond4, !dbg !979

```

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[11/12]
for.end:                                ; preds = %for.cond4
    br label %for.inc11, !dbg !994

```

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[4/13]
for.cond1:                                ; preds = %for.inc11, %for.body
    %j.0 = phi i32 [ 0, %for.body ], [ %inc12, %for.inc11 ], !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.end13, !dbg !974

```

```

[8/9]
for.body6:                                ; preds = %for.cond4
    %call = call i32 @rand() #3, !dbg !984
    %rem = srem i32 %call, 10, !dbg !986
    %idxprom = sext i32 %i.0 to i64, !dbg !987
    %arrayidx = getelementptr inbounds [100 x [10 x [5 x i32]]], [100 x [10 x [5 x i32]]]* %a, i64 0, i64 %idxprom, !dbg !987
    %idxprom7 = sext i32 %j.0 to i64, !dbg !987
    %arrayidx8 = getelementptr inbounds [10 x [5 x i32]], [10 x [5 x i32]]* %arrayidx, i64 0, i64 %idxprom7, !dbg !987
    %idxprom9 = sext i32 %k.0 to i64, !dbg !987
    %arrayidx10 = getelementptr inbounds [5 x i32], [5 x i32]* %arrayidx8, i64 0, i64 %idxprom9, !dbg !987
    store i32 %rem, i32* %arrayidx10, align 4, !dbg !988
    br label %for.inc, !dbg !989

```

```

[7/10]
for.cond4:                                ; preds = %for.inc, %for.body3
    %k.0 = phi i32 [ 0, %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

```