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```
for.body6:                                ; preds = %for.cond4
```

```
%mul = mul nsw i32 %i.0, %j.0, !dbg !1004
```

```
%mul7 = mul nsw i32 %mul, %k.0, !dbg !1006
```

```
%idxprom = sext i32 %k.0 to i64, !dbg !1007
```

```
%arrayidx = getelementptr @inbounds [100 x [10 x [5 x [10 x i32]]]], [100 x [10 x [5 x [10 x i32]]]]* %a, i64 0, i64 %idxprom, !dbg !1007
```

```
%idxprom8 = sext i32 %i.0 to i64, !dbg !1007
```

```
%arrayidx9 = getelementptr inbounds [10 x [5 x [10 x i32]]], [10 x [5 x [10 x i32]]] * %arrayidx, i64 0, i64 %idxprom8, !dbg !1007
```

```
%add = add nsw i32 %j.0, 1, !dbg !1008
```

```
%idxprom10 = sext i32 %add to i64, !dbg !1007
```

```
%arrayidx11 = getelementptr @inbounds [5 x [10 x i32]], [5 x [10 x i32]]*, %arrayidx9, i64 0, i64 %idxprom10, !dbg !1007
```

```
%arrayidx12 = getelementptr @inbounds [10 x i32], [10 x i32]* %arrayidx11, i64 0, i64 0, !dbg !1007
```

```
%0 = load i32, i32* %arrayidx12, align 8, !dbg !1007
```

```
%mul13 = mul nsw i32 %mul7, %0, !dbg !1009
```

```
%idxprom14 = sext i32 %k.0 to i64, !dbg !1010
```

```
%arrayidx15 = getelementptr @inbounds [100 x [10 x [5 x [10 x i32]]]], [100 x [10 x [5 x [10 x i32]]]]* %a, i64 0, i64 %idxprom14, !dbg !1010
```

```
%idxprom16 = sext i32 %i.0 to i64, !dbg !1010
```

```
%arrayidx17 = getelementptr @inbounds [10 x [5 x [10 x i32]]], [10 x [5 x [10 x i32]]]* %arrayidx15, i64 0, i64 %idxprom16, !dbg !1010
```

```
%idxprom18 = sext i32 %j.0 to i64, !dbg !1010
```

```
%arrayidx19 = getelementptr @inbounds [5 x [10 x i32]], [5 x [10 x i32]]*, %arrayidx17, i64 0, i64 %idxprom18, !dbg !1010
```

```
%arrayidx20 = getelementptr @inbounds [10 x i32], [10 x i32]* %arrayidx19, i64 0, i64 0, !dbg !1010
```

```
store i32 %mul13, i32* %arrayidx20, align 8, !dbg !1011
```

```
br label %for.inc, !dbg !1012
```

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```
for.inc:                                ; preds = %for.body6
```

```
%inc = add nsw i32 %k.0, 1, !dbg !1013
```

```
call void @llvm.dbg.value(metadata i32 %inc, metadata !995, metadata !DIExpression()), !dbg !996
```

```
br label %for.cond4, !dbg !1014, !llvm.loop !1015
```

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[illegible]

```
%k.0 = phi i32 [ 0, %for.body3 ], [ %inc, %for.inc ], !dbg !1000
```

```
call void @llvm.dbg.value(metadata i32 %k.0, metadata !995, metadata !DIExpression()), !dbg !996
```

```
%cmp5 = icmp slt i32 %k.0, 100, !dbg !1002
```

```
br il %cmp5, label %for.body6, label %for.end, !dbg !1003
```