```
[3/4]
while.body:                            ; preds = %while.cond
    %conv = sext i32 %i.0 to i64, !dbg !1317
    %mul = mul i64 %product.1, %conv, !dbg !1318
call void @llvm.dbg.value(metadata i64 %mul, metadata !1301, metadata !DIExpression()), !dbg !1302
    %cmp2 = icmp ugt i64 %mul, 500000, !dbg !1319
    br i1 %cmp2, label %if.then, label %if.end, !dbg !1321
```

```
[0/1]
if.end:                            ; preds = %while.body
    %idxprom4 = sext i32 %i.0 to i64, !dbg !1324
%arrayidx5 = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom4, !dbg !1324
    %1 = load i32, i32* %arrayidx5, align 4, !dbg !1325
    %dec = add nsw i32 %1, -1, !dbg !1325
    store i32 %dec, i32* %arrayidx5, align 4, !dbg !1325
    br label %while.cond, !dbg !1311, !llvm.loop !1326
```

```
[2/5]
while.cond:                            ; preds = %if.end, %for.body
    %product.1 = phi i64 [ %product.0, %for.body ], [ %mul, %if.end ], !dbg !1313
call void @llvm.dbg.value(metadata i64 %product.1, metadata !1301, metadata !DIExpression()), !dbg !1302
    %idxprom = sext i32 %i.0 to i64, !dbg !1315
%arrayidx = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom, !dbg !1315
    %0 = load i32, i32* %arrayidx, align 4, !dbg !1315
    %cmp1 = icmp sgt i32 %0, 0, !dbg !1316
    br i1 %cmp1, label %while.body, label %while.end, !dbg !1311
```