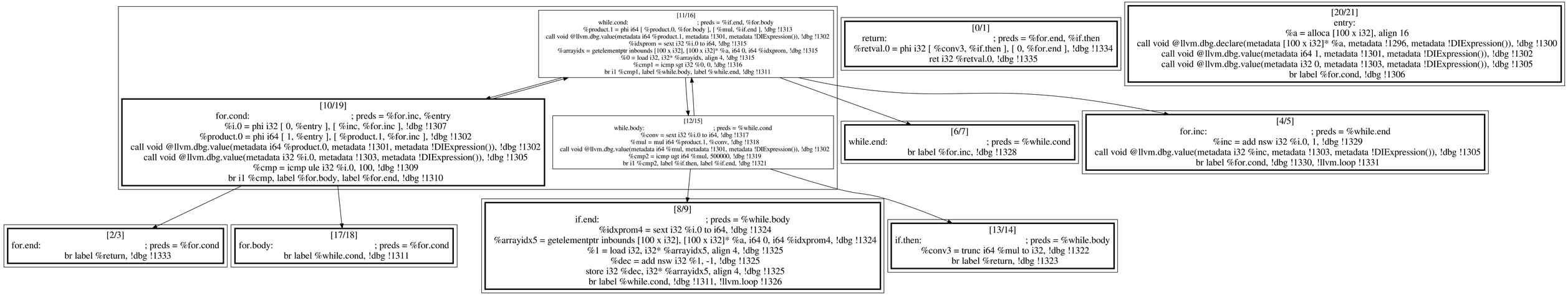
[11/16]
while.cond: ; preds = %if.end, %for.body
%product.1 = phi i64 [%product.0, %for.body], [%mul, %if.end], !dbg !1313
call void @llvm.dbg.value(metadata i64 %product.1, metadata !1301, metadata !DIExpression()), !dbg !1302
%idxprom = sext i32 %i.0 to i64, !dbg !1315
%arrayidx = getelementptr inbounds [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
[0/1]
return: ; preds = %for.end, %if.then
%retval.0 = phi i32 [%conv3, %if.then], [0, %for.end], !dbg !1334
ret i32 %retval.0, !dbg !1335
[20/21]
entry:
%a = alloca [100 x i32], align 16
call void @llvm.dbg.declare(metadata [100 x i32]* %a, metadata !1296, metadata !DIExpression()), !dbg !1300
call void @llvm.dbg.value(metadata i64 1, metadata !1301, metadata !DIExpression()), !dbg !1302
call void @llvm.dbg.value(metadata i32 0, metadata !1303, metadata !DIExpression()), !dbg !1305
br label %for.cond, !dbg !1306
[10/19]
for.cond: ; preds = %for.inc, %entry
%i.0 = phi i32 [0, %entry], [%inc, %for.inc], !dbg !1307
%product.0 = phi i64 [1, %entry], [%product.1, %for.inc], !dbg !1302
call void @llvm.dbg.value(metadata i64 %product.0, metadata !1301, metadata !DIExpression()), !dbg !1302
call void @llvm.dbg.value(metadata i32 %i.0, metadata !1303, metadata !DIExpression()), !dbg !1305
%cmp = icmp ule i32 %i.0, 100, !dbg !1309
br i1 %cmp, label %for.body, label %for.end, !dbg !1310
[12/15]
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
[6/7]
while.end: ; preds = %while.cond
br label %for.inc, !dbg !1328
[4/5]
for.inc: ; preds = %while.end
%inc = add nsw i32 %i.0, 1, !dbg !1329
call void @llvm.dbg.value(metadata i32 %inc, metadata !1303, metadata !DIExpression()), !dbg !1305
br label %for.cond, !dbg !1330, !llvm.loop !1331
[2/3]
for.end: ; preds = %for.cond
br label %return, !dbg !1333
[17/18]
for.body: ; preds = %for.cond
br label %while.cond, !dbg !1311
[8/9]
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
[13/14]
if.then: ; preds = %while.body
%conv3 = trunc i64 %mul to i32, !dbg !1322
br label %return, !dbg !1323