

for.cond: ; preds = %for.inc, %entry
%0 = load i32, i32* %i, align 4
%cmp = icmp ult i32 %0, 99
br i1 %cmp, label %for.body, label %for.end

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graph TD; for_cond[for.cond] --> for_body[for.body]; for_cond --> for_end[for.end]; for_body --> for_inc[for.inc]; for_inc --> for_cond;
```

for.body: ; preds = %for.cond
%1 = load i32, i32* %i, align 4
%add = add i32 %1, 1
%idxprom = zext i32 %add to i64
%arrayidx = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom
%2 = load i32, i32* %arrayidx, align 4
%3 = load i32, i32* %i, align 4
%idxprom1 = zext i32 %3 to i64
%arrayidx2 = getelementptr inbounds [100 x i32], [100 x i32]* %a, i64 0, i64 %idxprom1
store i32 %2, i32* %arrayidx2, align 4
br label %for.inc

for.inc: ; preds = %for.body
%4 = load i32, i32* %i, align 4
%inc = add i32 %4, 1
store i32 %inc, i32* %i, align 4
br label %for.cond