```
[0/1]
for.cond:                                      ; preds = %for.inc, %entry
                    %0 = load i32, i32* %i, align 4
                    %cmp = icmp ult i32 %0, 100
                    br i1 %cmp, label %for.body, label %for.end
```

```
[0/1]
entry:
%retval = alloca i32, align 4
%i = alloca i32, align 4
store i32 0, i32* %retval, align 4
store i32 0, i32* %i, align 4
br label %for.cond
```

```
[0/1]
for.end:                                       ; preds = %for.cond
                    ret i32 0
```

```
[0/1]
for.body:                                      ; preds = %for.cond
                    %1 = load i32, i32* %i, align 4
                    %idxprom = zext i32 %1 to i64
%arrayidx = getelementptr inbounds [100 x i32], [100 x i32]* @_ZL1a, i64 0, i64 %idxprom
                    %2 = load i32, i32* %arrayidx, align 4
                    %3 = load i32, i32* %i, align 4
                    %idxprom1 = zext i32 %3 to i64
                    %add = add i32 %2, 0
                    %4 = load i32, i32* %i, align 4
                    %idxprom3 = zext i32 %4 to i64
%arrayidx4 = getelementptr inbounds [100 x i32], [100 x i32]* @_ZL1a, i64 0, i64 %idxprom3
                    store i32 %add, i32* %arrayidx4, align 4
                    br label %for.inc
```

```
[0/1]
for.inc:                                       ; preds = %for.body
                    %5 = load i32, i32* %i, align 4
                    %inc = add i32 %5, 1
                    store i32 %inc, i32* %i, align 4
                    br label %for.cond
```