```
[0/5]
                                                                        ; preds = %for.inc, %entry
                                                                                                                                     [8/9]
                                    for.cond:
                                                     \%0 = \text{load i} 32, i 32*\% i, align 4
                                                                                                            for.end:
                                                                                                                                               ; preds = %for.cond
                                                                                                                                    ret i32 0
                                                     %cmp = icmp ult i32 %0, 100
                                              br i1 %cmp, label %for.body, label %for.end
                                                                                                          [3/4]
                                                                                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
                         [1/2]
for.inc:
                                  ; preds = \% for.body
                                                                                         %2 = load i32, i32* %arrayidx, align 4
            %5 = load i32, i32* \%i, align 4
                                                                                             %3 = load i32, i32* \%i, align 4
                 %inc = add i32 %5, 1
                                                                                            \%idxprom1 = zext i32 \%3 to i64
            store i32 %inc, i32* %i, align 4
                                                                                                  %add = add i32 %2, 0
                  br label %for.cond
                                                                                             %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
```

[6/7]
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