```
%retval = alloca i32, align 4
              %begin = alloca %struct.list_node, align 8
              %list_it = alloca %struct.list_node*, align 8
                       %i = alloca i32, align 4
                                                                      |||| for.cond:
                       %exn.slot = alloca i8*
                    %ehselector.slot = alloca i32
                 store i32 0, i32* %retval, align 4
     call void @_ZN9list_nodeC2Ev(%struct.list_node* %begin)
                    store i32 1, i32* %i, align 4
store %struct.list_node* %begin, %struct.list_node** %list_it, align 8
                         br label %for.cond
```

```
; preds = %for.body
                   ; preds = %for.inc, %entry
                                                            store %struct.list_node* %3, %struct.list_node** %next, align 8
\%0 = \text{load i} 32, i 32*\% i, align 4
                                                                             %5 = load i32, i32* %i, align 4
%cmp = icmp ult i32 %0, 100
                                                            %6 = load %struct.list_node*, %struct.list_node** %list_it, align 8
                                                 %value = getelementptr inbounds %struct.list_node, %struct.list_node* %6, i32
                                                                           store i32 %5, i32* %value, align 8
                                                                                    br label %for.inc
```

```
%7 = load %struct.list_node*, %struct.list_node** %list_it, align 8
                                                                                                                                                                                                           %next2 = getelementptr inbounds %struct.list_node, %struct.list_node* %7, i32 0, i32 1 | | | for.body:
land.rhs: ; preds = %for.cond
o1 = load %struct.list_node*, %struct.list_node** %list_it, align 8 for.end:
                                                                                                                                                                     ; preds = %land.rhs, %for.cond
                                                                                                                                                                                                                      %8 = load %struct.list_node*, %struct.list_node** %next2, align 8
                                                                                                                                       %2 = phi i1 [ false, %for.cond ], [ %cmp1, %land.rhs ]
                                                                                                                                                                                                                      store %struct.list_node* %8, %struct.list_node** %list_it, align 8
       %cmp1 = icmp ne %struct.list_node* %1, null
                                                                                                                                             br i1 %2, label %for.body, label %for.end
                                                                                                                                                                                                                                        %9 = load i32, i32* %i, align 4
                     br label %land.end
                                                                                                                                                                                                                                            %inc = add i32 %9, 1
                                                                                                                                                                                                                                       store i32 %inc, i32* %i, align 4
                                                                                                                                                                                                                                              br label %for.cond
```

%call = call i8* @_Znwm(i64 16) #7

%3 = bitcast i8* %call to %struct.list_node*

br label %invoke.cont

call void @_ZN9list_nodeC2Ev(%struct.list_node* %3)