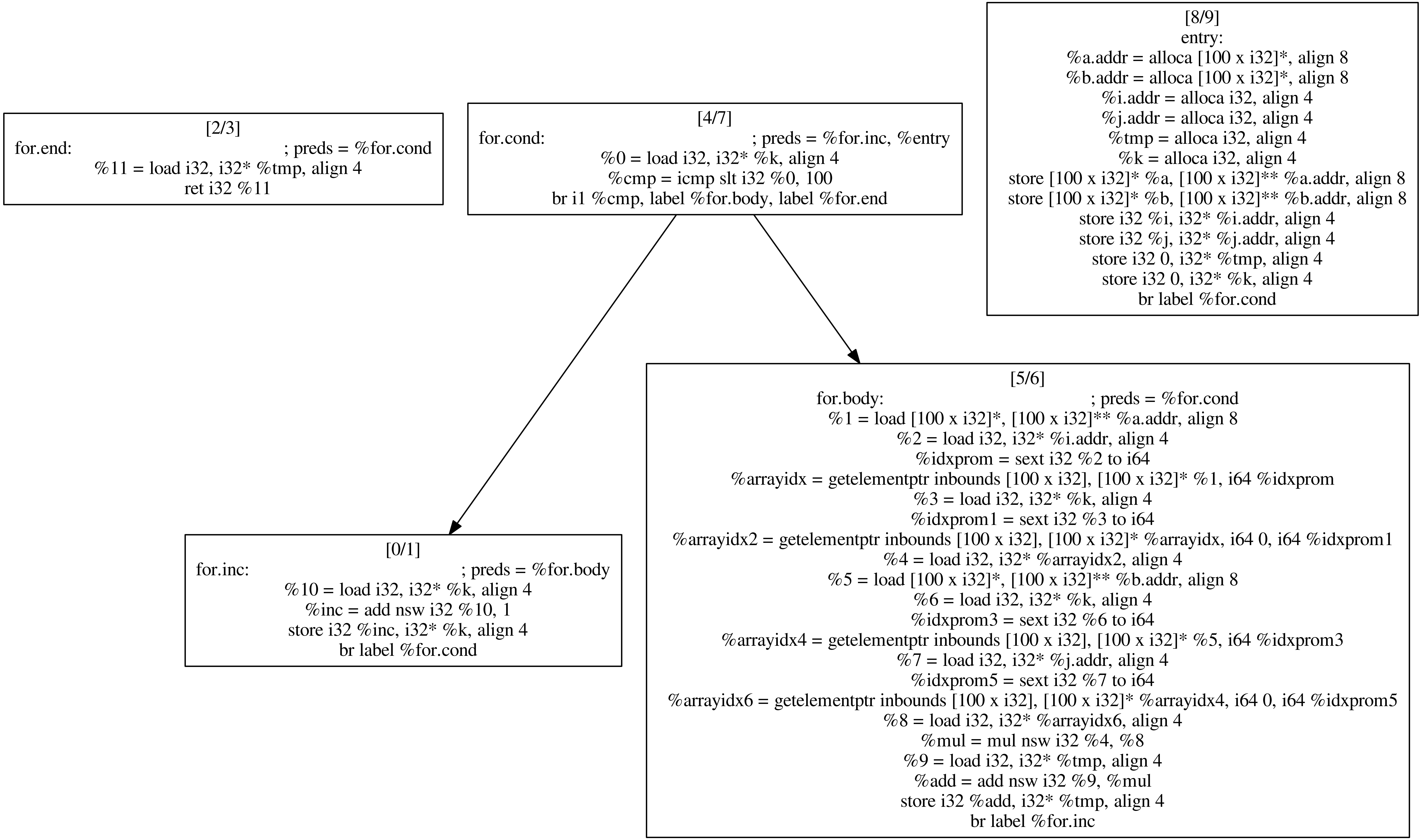

```
[2/3]
for.end:                                         ; preds = %for.cond
  %11 = load i32, i32* %tmp, align 4
  ret i32 %11
```

```
[4/7]
for.cond:                                         ; preds = %for.inc, %entry
  %0 = load i32, i32* %k, align 4
  %cmp = icmp slt i32 %0, 100
  br i1 %cmp, label %for.body, label %for.end
```

```
[8/9]
entry:
  %a.addr = alloca [100 x i32]*, align 8
  %b.addr = alloca [100 x i32]*, align 8
  %i.addr = alloca i32, align 4
  %j.addr = alloca i32, align 4
  %tmp = alloca i32, align 4
  %k = alloca i32, align 4
  store [100 x i32]* %a, [100 x i32]** %a.addr, align 8
  store [100 x i32]* %b, [100 x i32]** %b.addr, align 8
  store i32 %i, i32* %i.addr, align 4
  store i32 %j, i32* %j.addr, align 4
  store i32 0, i32* %tmp, align 4
  store i32 0, i32* %k, align 4
  br label %for.cond
```

```
[0/1]
for.inc:                                         ; preds = %for.body
  %10 = load i32, i32* %k, align 4
  %inc = add nsw i32 %10, 1
  store i32 %inc, i32* %k, align 4
  br label %for.cond
```

```
[5/6]
for.body:                                         ; preds = %for.cond
  %1 = load [100 x i32]*, [100 x i32]** %a.addr, align 8
  %2 = load i32, i32* %i.addr, align 4
  %idxprom = sext i32 %2 to i64
  %arrayidx = getelementptr inbounds [100 x i32], [100 x i32]* %1, i64 %idxprom
  %3 = load i32, i32* %k, align 4
  %idxprom1 = sext i32 %3 to i64
  %arrayidx2 = getelementptr inbounds [100 x i32], [100 x i32]* %arrayidx, i64 0, i64 %idxprom1
  %4 = load i32, i32* %arrayidx2, align 4
  %5 = load [100 x i32]*, [100 x i32]** %b.addr, align 8
  %6 = load i32, i32* %k, align 4
  %idxprom3 = sext i32 %6 to i64
  %arrayidx4 = getelementptr inbounds [100 x i32], [100 x i32]* %5, i64 %idxprom3
  %7 = load i32, i32* %j.addr, align 4
  %idxprom5 = sext i32 %7 to i64
  %arrayidx6 = getelementptr inbounds [100 x i32], [100 x i32]* %arrayidx4, i64 0, i64 %idxprom5
  %8 = load i32, i32* %arrayidx6, align 4
  %mul = mul nsw i32 %4, %8
  %9 = load i32, i32* %tmp, align 4
  %add = add nsw i32 %9, %mul
  store i32 %add, i32* %tmp, align 4
  br label %for.inc
```