

```
entry:
  %retval = alloca i32, align 4
  %i = alloca i32, align 4
  %j = alloca i32, align 4
  %k = alloca i32, align 4
  %sink = alloca i32, align 4
  %source = alloca i32, align 4
  store i32 0, i32* %retval, align 4
  store i32 0, i32* %k, align 4
  store i32 0, i32* %sink, align 4
  store i32 42, i32* %source, align 4
  store i32 0, i32* %i, align 4
  %0 = load i32, i32* %j, align 4
  %cmp = icmp sgt i32 %0, 1
  br i1 %cmp, label %if.then, label %if.else
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if.then:

```
%1 = load i32, i32* %source, align 4
store i32 %1, i32* %i, align 4
br label %if.end
```

if.else:

```
%2 = load i32, i32* %source, align 4
store i32 %2, i32* %k, align 4
br label %if.end
```

if.end:

```
%3 = load i32, i32* %i, align 4
%4 = load i32, i32* %k, align 4
%add = add nsw i32 %3, %4
store i32 %add, i32* %sink, align 4
%5 = load i32, i32* %retval, align 4
ret i32 %5
```

CFG for 'main' function