

```
entry:  
  %retval = alloca i32, align 4  
  %x = alloca i32, align 4  
  %i = alloca i32, align 4  
  %y = alloca i32, align 4  
  store i32 0, i32* %retval, align 4  
  store i32 10, i32* %x, align 4  
  store i32 0, i32* %i, align 4  
  br label %for.cond
```

```
for.cond:  
  %0 = load i32, i32* %i, align 4  
  %cmp = icmp slt i32 %0, 10  
  br i1 %cmp, label %for.body, label %for.end, !prof !34
```

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90.91%

9.09%

```
for.body:  
  %1 = load i32, i32* %x, align 4  
  %add = add nsw i32 %1, 5  
  store i32 %add, i32* %y, align 4  
  br label %for.inc
```

```
for.end:  
  ret i32 0
```

```
for.inc:  
  %2 = load i32, i32* %i, align 4  
  %inc = add nsw i32 %2, 1  
  store i32 %inc, i32* %i, align 4  
  br label %for.cond, !llvm.loop !35
```

CFG for 'main' function