

```
entry:
  %array.addr = alloca i32*, align 8
  %size.addr = alloca i32, align 4
  %i = alloca i32, align 4
  store i32* %array, i32** %array.addr, align 8
  store i32 %size, i32* %size.addr, align 4
  store i32 0, i32* %i, align 4
  store i32 0, i32* %i, align 4
  br label %for.cond
```

```
for.cond:
  %0 = load i32, i32* %i, align 4
  %1 = load i32, i32* %size.addr, align 4
  %cmp = icmp slt i32 %0, %1
  br i1 %cmp, label %for.body, label %for.end
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for.end:
  ret void
```

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for.body:
  %2 = load i32*, i32** %array.addr, align 8
  %3 = load i32, i32* %i, align 4
  %idxprom = sext i32 %3 to i64
  %arrayidx = getelementptr inbounds i32, i32* %2, i64 %idxprom
  store i32 10, i32* %arrayidx, align 4
  br label %for.inc
```

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

CFG for '_Z22initializeIntegerArrayPii' function