

loop(p_0, p_1)

```
guard_class( $p_1$ , BoxedInteger)
 $i_2 = \text{getfield\_gc}(\mathbf{p_1, intval})$ 
guard_class( $p_0$ , BoxedInteger)
 $i_3 = \text{getfield\_gc}(\mathbf{p_0, intval})$ 
 $i_4 = \text{int\_add}(\mathbf{i_2, i_3})$ 
 $i_9 = \text{int\_add}(\mathbf{i_4, -100})$ 
```

```
guard_class( $p_0$ , BoxedInteger)
 $i_{12} = \text{getfield\_gc}(\mathbf{p_0, intval})$ 
 $i_{14} = \text{int\_add}(\mathbf{i_{12}, -1})$ 
```

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 $i_{17} = \text{int\_gt}(\mathbf{i_{14}, 0})$ 
guard_true( $i_{17}$ )
```

```
 $p_{15} = \text{new}(\text{BoxedInteger})$ 
setfield_gc( $p_{15}, i_{14}, \mathbf{intval})$ 
 $p_{10} = \text{new}(\text{BoxedInteger})$ 
setfield_gc( $p_{10}, i_9, \mathbf{intval})$ 
```

jump(p_{15}, p_{10})