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jminusminus

Class NHIRIntConstant

- [java.lang.Object](#)
 - [jminusminus.NHIRInstruction](#)
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```
class NHIRIntConstant  
extends NHIRInstruction
```

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HIR instruction corresponding to the JVM instructions representing integer constants.

• Field Summary

Modifier and Type	Fields
	Field and Description

int	value The constant int value.
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- **Fields inherited from class [jminusminus.NHIRInstruction](#)**
[block](#), [hirMnemonic](#), [id](#), [lir](#), [lType](#), [sType](#)

• Constructor Summary

Constructors
Constructor and Description

```
NHIRIntConstant(NBasicBlock block, int id, int value)  
Construct an NHIRIntConstant instruction.
```

- **Method Summary**

Methods	
Modifier and Type	Method and Description
<code>NLIRInstruction</code>	<code>toLir()</code> Convert and return a low-level representation (LIR) of this HIR instruction.
<code>String</code>	<code>toString()</code> Return a string representation of this instruction.

- **Methods inherited from class `jminusminus.NHIRInstruction`**
`equals`, `id`
- **Methods inherited from class `java.lang.Object`**
`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

- **Field Detail**

- **value**

`public int value`

The constant int value.

- **Constructor Detail**

- **NHIRIntConstant**

`public NHIRIntConstant(NBasicBlock block, int id, int value)`

Construct an NHIRIntConstant instruction.

Parameters:

- `block` - enclosing block.
- `id` - identifier of the instruction.
- `value` - the constant int value.

- **Method Detail**

- **toLir**

`public NLIRInstruction toLir()`

Description copied from class: `NHIRInstruction`

Convert and return a low-level representation (LIR) of this HIR instruction. Also adds the returned LIR instruction to the list of LIR instructions for the block containing this instruction, along with any other intermediate LIR instructions needed.

Overrides:

`toLir` in class `NHIRInstruction`

Returns:

LIR instruction corresponding to this HIR instruction.

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- **toString**

```
publicStringtoString()
```

Description copied from class: `NHIRInstruction`

Return a string representation of this instruction.

Overrides:

`toString` in class `NHIRInstruction`

Returns:

string representation of this instruction.

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