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jminusminus

Class NLIRIntConstant

- [java.lang.Object](#)
 - [jminusminus.NLIRInstruction](#)
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```
class NLIRIntConstant  
extends NLIRInstruction
```

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LIR 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.NLIRInstruction](#)**
[block](#), [id](#), [lirMnemonic](#), [reads](#), [write](#)
- **Constructor Summary**

Constructors
Constructor and Description

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

- **Method Summary**

Methods	
Modifier and Type	Method and Description
void	allocatePhysicalRegisters() Replace references to virtual registers in this LIR instruction with references to physical registers.
void	toSpim(PrintWriter out) Translate this LIR instruction into SPIM and write it out to the specified output stream.
String	toString() Return a string representation of this instruction.

- **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**

- **NLIRIntConstant**
public NLIRIntConstant(NBasicBlock block, int id, int value)

Construct an NLIRIntConstant instruction.

Parameters:

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

- **Method Detail**

- **allocatePhysicalRegisters**

public void allocatePhysicalRegisters()

Description copied from class: NLIRInstruction

Replace references to virtual registers in this LIR instruction with references to physical registers.

Overrides:

`allocatePhysicalRegisters` in class `NLIRInstruction`

- **toSpim**

public void toSpim(PrintWriter out)

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Description copied from class: `NLIRInstruction`

Translate this LIR instruction into SPIM and write it out to the specified output stream.

Overrides:

`toSpim` in class `NLIRInstruction`

Parameters:

out - output stream for SPIM code.

- `toString`

`publicStringtoString()`

Description copied from class: `NLIRInstruction`

Return a string representation of this instruction.

Overrides:

`toString` in class `NLIRInstruction`

Returns:

string representation of this instruction.

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