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jminusminus

Class NLIRPutField

- [java.lang.Object](#)
 - [jminusminus.NLIRInstruction](#)
 - [jminusminus.NLIRPutField](#)

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```
class NLIRPutField  
extends NLIRInstruction
```

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LIR instruction representing JVM (put) field instructions.

• Field Summary

Fields	
Modifier and Type	Field and Description
String	name Name of the field being accessed.
int	opcode Opcode of the JVM instruction.
String	target Target for the field.

- **Fields inherited from class [jminusminus.NLIRInstruction](#)**
[block](#), [id](#), [lirMnemonic](#), [reads](#), [write](#)

• Constructor Summary

Constructors

Constructor and Description

```
NLIRPutField(NBasicBlock block, int id, int opcode,  
String target, String name, String sType, String lType,  
NLIRInstruction value)
```

Construct an NLIRPutField instruction.

- **Method Summary**

Methods

**Modifier and
Type**

Method and Description

void	toSpim (PrintWriter out) Translate this LIR instruction into SPIM and write it out to the specified output stream.
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String	toString () Return a string representation of this instruction.
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- **Methods inherited from class jminusminus.NLIRInstruction**

`allocatePhysicalRegisters`

- **Methods inherited from class java.lang.Object**

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait`

- **Field Detail**

- **opcode**

`public int opcode`

Opcode of the JVM instruction.

- **target**

`public String target`

Target for the field.

- **name**

`public String name`

Name of the field being accessed.

- **Constructor Detail**

- **NLIRPutField**

```
public NLIRPutField(NBasicBlock block,  
                    int id,  
                    int opcode,  
                    String target,  
                    String name,  
                    String sType,  
                    String lType,  
                    NLIRInstruction value)
```

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Construct an NLIRPutField instruction.

Parameters:

block - enclosing block.
id - identifier of the instruction.
opcode - JVM opcode for the return instruction.
target - target for the field.
name - name of the field.
sType - type (short name) of the field.
lType - type (long name) of the field.
value - LIR of the value of the field.

- **Method Detail**

- **toSpim**

public void toSpim(PrintWriter out)

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**

public String toString()

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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- Detail:
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