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jminusminus

Class NLIRStore

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

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LIR instruction representing a store from a register to memory.

- [Field Summary](#)
- [Fields inherited from class jminusminus.NLIRInstruction](#)
`block, id, lirMnemonic, reads, write`
- [Constructor Summary](#)

Constructors
Constructor and Description

```
NLIRStore(NBasicBlock block, int id, int offset,  
OffsetFrom offsetFrom, NRegister register)  
Construct an NLIRStore 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

- **Constructor Detail**

- **NLIRStore**

```
public NLIRStore(NBasicBlock block,
                int id,
                int offset,
                OffsetFrom offsetFrom,
                NRegister register)
```

Construct an NLIRStore instruction.

Parameters:

block - enclosing block.

id - Identifier of the instruction.

offset - stack offset to store to.

offsetFrom - whether offset relative to stack pointer (sp) or frame

pointer (fp).

register - register to store from.

- **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)
```

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.

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- **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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- Detail:
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