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- Summary:
- Nested |
- Field |
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- Method

- Detail:
- Field |
- Constr |
- Method

jminusminus

Class NLIRMove

- java.lang.Object
 - jminusminus.NLIRInstruction
 - jminusminus.NLIRMove

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```
class NLIRMove
extends NLIRInstruction
```

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LIR move instruction.

- **Field Summary**
- **Fields inherited from class jminusminus.NLIRInstruction**
block, id, lirMnemonic, reads, write
- **Constructor Summary**

Constructors
Constructor and Description

```
NLIRMove(NBasicBlock block, int id, NLIRInstruction from,
NLIRInstruction to)
```

Construct an NLIRMove instruction.

```
NLIRMove(NBasicBlock block, int id, NRegister from,
NRegister to)
```

Construct an NLIRMove 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**

- **NLIRMove**

```
public NLIRMove(NBasicBlock block,  
               int id,  
               NLIRInstruction from,  
               NLIRInstruction to)
```

Construct an NLIRMove instruction.

Parameters:

block - enclosing block.

id - identifier of the instruction.

from - LIR to move from.

to - LIR to move to.

- **NLIRMove**

```
public NLIRMove(NBasicBlock block,  
               int id,  
               NRegister from,  
               NRegister to)
```

Construct an NLIRMove instruction.

Parameters:

block - enclosing block.

id - identifier of the instruction.

from - register (virtual or physical) to move from.

to - register (virtual or physical) to move to.

- **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:

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`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.

- **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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