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jminusminus

Class CLMethodInstruction

- java.lang.Object
  - jminusminus.CLInstruction
    - jminusminus.CLMethodInstruction

```
class CLMethodInstruction
extends CLInstruction
```

Representation for METHOD1 and METHOD2 instructions.

- **Field Summary**

- **Fields inherited from class jminusminus.CLInstruction**

  instructionInfo, localVariableIndex, mnemonic, opcode, operandCount, pc, stackUnits

- **Constructor Summary**

Constructors

Constructor and Description

CLMethodInstruction(int opcode, int pc)
Construct a CLMethodInstruction object for METHOD2 instructions.

CLMethodInstruction(int opcode, int pc, int index, int stackUnits)
Construct a CLMethodInstruction object for METHOD1 instructions.

- **Method Summary**

Methods

Modifier and Type	Method and Description
void	**setArgumentCount**(int nArgs) Set the number of arguments for the method for INVOKEINTERFACE instruction.
ArrayList<Integer>	**toBytes**() Return the bytecode for this instruction.

- **Methods inherited from class jminusminus.CLInstruction**

  byteAt, isValid, localVariableIndex, mnemonic, opcode, operandCount, pc, stackUnits

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

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

- **Constructor Detail**

  - **CLMethodInstruction**

  ```
  publicCLMethodInstruction(intopcode,
                            intpc,
                            intindex,
                            intstackUnits)
  ```

  Construct a CLMethodInstruction object for METHOD1 instructions.

  Parameters:
  - opcode - the opcode for this instruction.
  - pc - index of this instruction within the code array of a method.
  - index - index into the constant pool, the item at which contains the name and descriptor of the method.
  - stackUnits - words produced - words consumed from the operand stack by this instruction.

  - **CLMethodInstruction**

  ```
  publicCLMethodInstruction(intopcode,
                            intpc)
  ```

  Construct a CLMethodInstruction object for METHOD2 instructions.

  Parameters:
  - opcode - the opcode for this instruction.
  - pc - index of this instruction within the code array of a method.

- **Method Detail**

  - **setArgumentCount**

  ```
  publicvoidsetArgumentCount(intnArgs)
  ```

  Set the number of arguments for the method for INVOKEINTERFACE instruction.

  Parameters:
  - nArgs - number of arguments for the method.

- **toBytes**

```
public ArrayList<Integer> toBytes()
```

Description copied from class: CLInstruction

Return the bytecode for this instruction.

Specified by:

toBytes in class CLInstruction

Returns:

bytecode.