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jminusminus

Class NTuple

- java.lang.Object
  - jminusminus.NTuple

```
class NTuple
extends Object
```

A tuple representation of a JVM instruction.

- **Field Summary**

Fields

Modifier and Type	Field and Description
boolean	**isLeader** Is this tuple the leader of the block containing it.
String	**mnemonic** String representation (mnemonic) of the instruction.
int	**opcode** Opcode of the instruction.
ArrayList<Short>	**operands** Operands of the instructions.
int	**pc** Program counter of the instruction.

- **Constructor Summary**

Constructors

Constructor and Description

NTuple(int pc, int opcode, ArrayList<Short> operands)
Construct a tuple representing the JVM instruction with the given program counter, opcode, and operand list.

- **Method Summary**

Methods

Modifier and Type	Method and Description
void	**writeToStdOut**(PrettyPrinter p) Write the information pertaining to this tuple to STDOUT.

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

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

- **Field Detail**

  - **pc**

publicint pc

Program counter of the instruction.

  - **opcode**

publicint opcode

Opcode of the instruction.

  - **operands**

publicArrayList<Short> operands

Operands of the instructions.

  - **mnemonic**

publicString mnemonic

String representation (mnemonic) of the instruction.

  - **isLeader**

publicboolean isLeader

Is this tuple the leader of the block containing it.

- **Constructor Detail**

  - **NTuple**

publicNTuple(intpc,
      intopcode,
      ArrayList<Short>operands)

Construct a tuple representing the JVM instruction with the given program

counter, opcode, and operand list.

Parameters:
    `pc` - program counter.
    `opcode` - opcode of the instruction.
    `operands` - list of operands of the instruction.

- **Method Detail**

    - **writeToStdOut**

`publicvoidwriteToStdOut(PrettyPrinter p)`

Write the information pertaining to this tuple to STDOUT.

Parameters:
    p - for pretty printing with indentation.