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- Summary:
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- Field |
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jminusminus

Class NLinearRegisterAllocator

- java.lang.Object
  - jminusminus.NRegisterAllocator
    - jminusminus.NLinearRegisterAllocator

```
public class NLinearRegisterAllocator
extends NRegisterAllocator
```

Implements the Linear Scan register allocation algorithm.

- **Field Summary**

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

  cfg

- **Constructor Summary**

Constructors

Constructor and Description

NLinearRegisterAllocator(NControlFlowGraph cfg)
Construct a linear register allocator for the given control flow graph.

- **Method Summary**

Methods

Modifier and Type	Method and Description

void	**allocation**() Perform the linear register allocation, assigning physical registers to virtual registers.

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

  buildIntervals

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

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

- **Constructor Detail**

  - **NLinearRegisterAllocator**

  publicNLinearRegisterAllocator(NControlFlowGraphcfg)

  Construct a linear register allocator for the given control flow graph.
  Parameters:
      cfg - the control flow graph instance.

- **Method Detail**

  - **allocation**

  publicvoidallocation()

  Perform the linear register allocation, assigning physical registers to virtual registers.
  Specified by:
      allocation in class NRegisterAllocator