

Compilation 2010

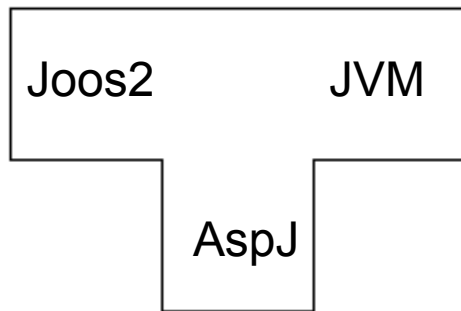


The Ultimate Challenge

The Setup

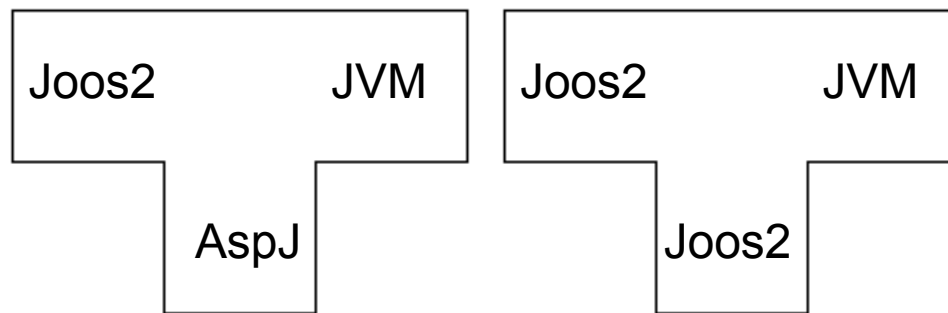
The Setup

- Take the reference compiler **joos2c**



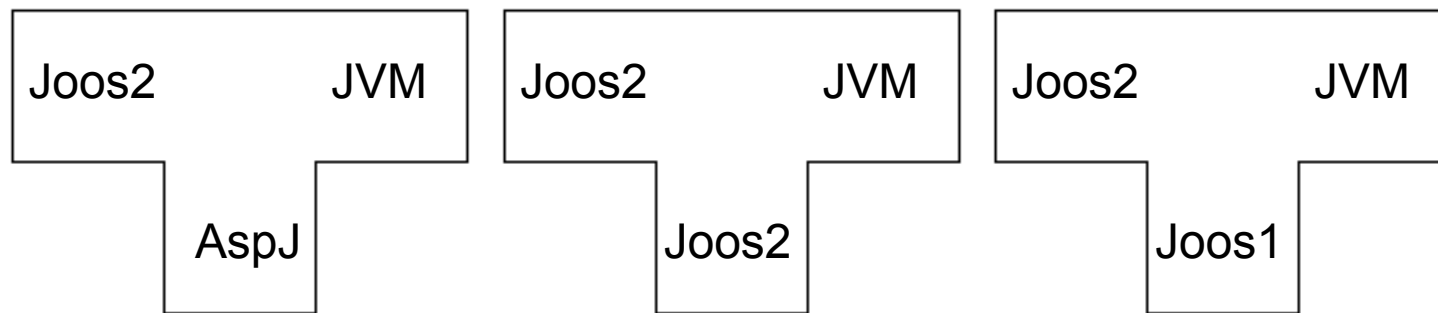
The Setup

- Take the reference compiler **joos2c**
- *joos2ify* **joos2c** => **joos2joos2**



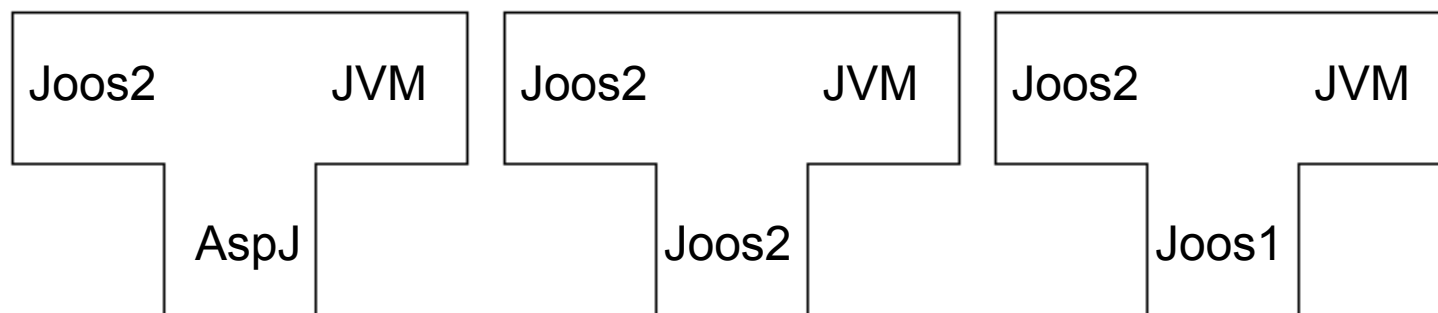
The Setup

- Take the reference compiler **joos2c**
- **joos2ify joos2c => joos2joos2**
- **joos1ify joos2joos2 => joos1joos2**
 - Onlinetest capability was lost in this process



The Setup

- Take the reference compiler **joos2c**
- **joos2ify joos2c => joos2joos2**
- **joos1ify joos2joos2 => joos1joos2**
 - Onlinetest capability was lost in this process
- Now we have a joos2-compiler written in joos1!



The Ultimate Test

The Ultimate Test

- Compile **joos1joos2** with your joos1-compiler

The Ultimate Test

- Compile **joos1joos2** with your joos1-compiler
- Compile **joos2joos2** with **joos1joos2**

The Ultimate Test

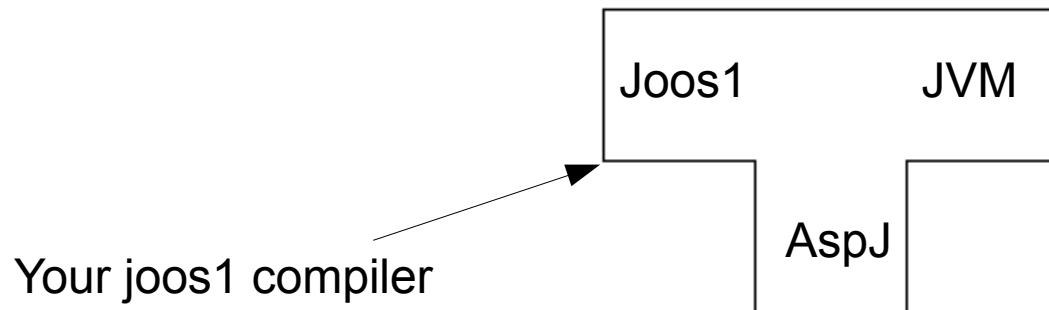
- Compile **joos1joos2** with your joos1-compiler
- Compile **joos2joos2** with **joos1joos2**
- Run the onlinetest with **joos2joos2**

The Ultimate Test

- Compile **joos1joos2** with your joos1-compiler
- Compile **joos2joos2** with **joos1joos2**
- Run the onlinetest with **joos2joos2**

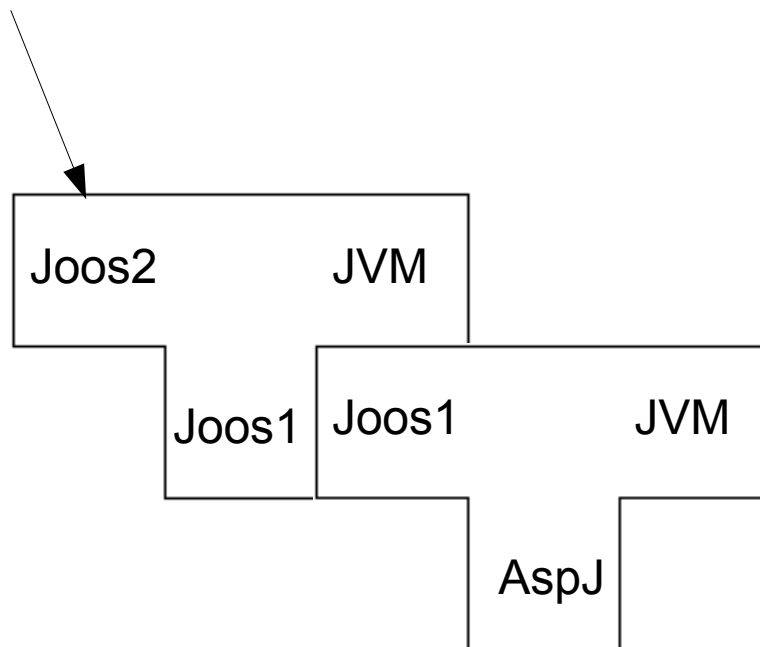
Now we have bootstrapped your joos1-compiler into a full featured joos2-compiler!

The Ultimate T-Diagram

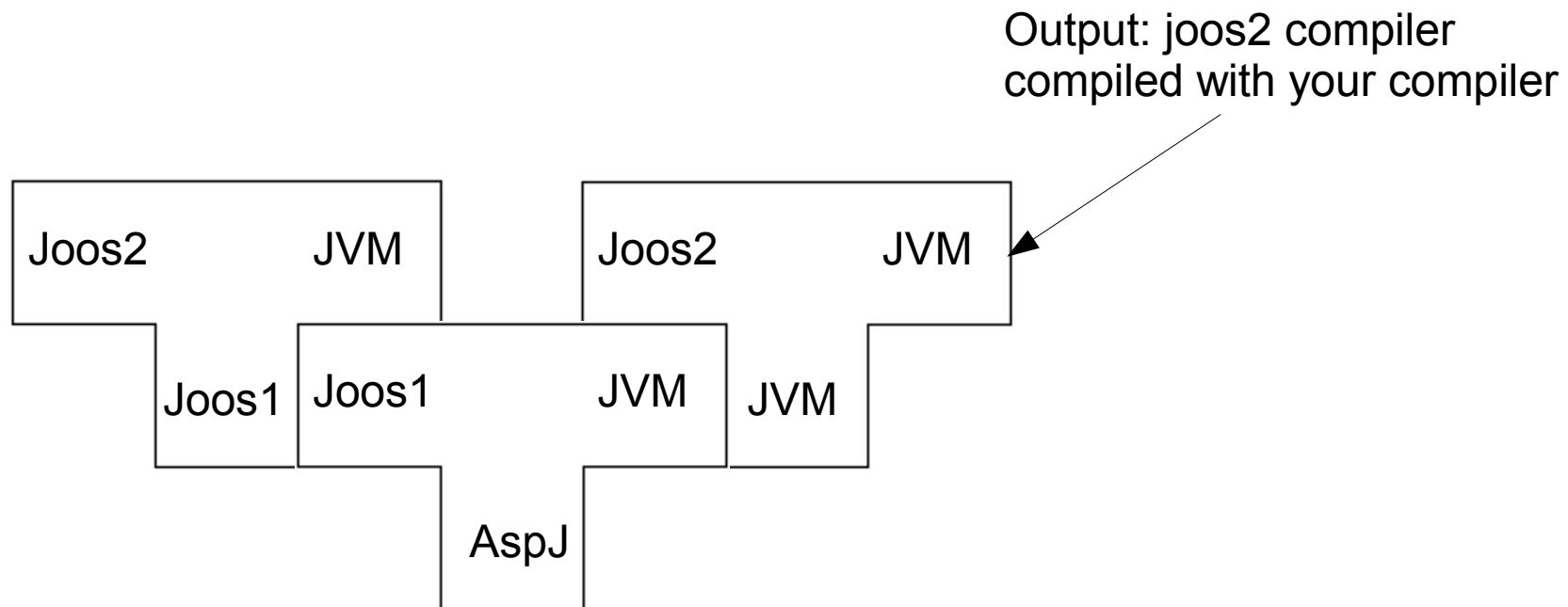


The Ultimate T-Diagram

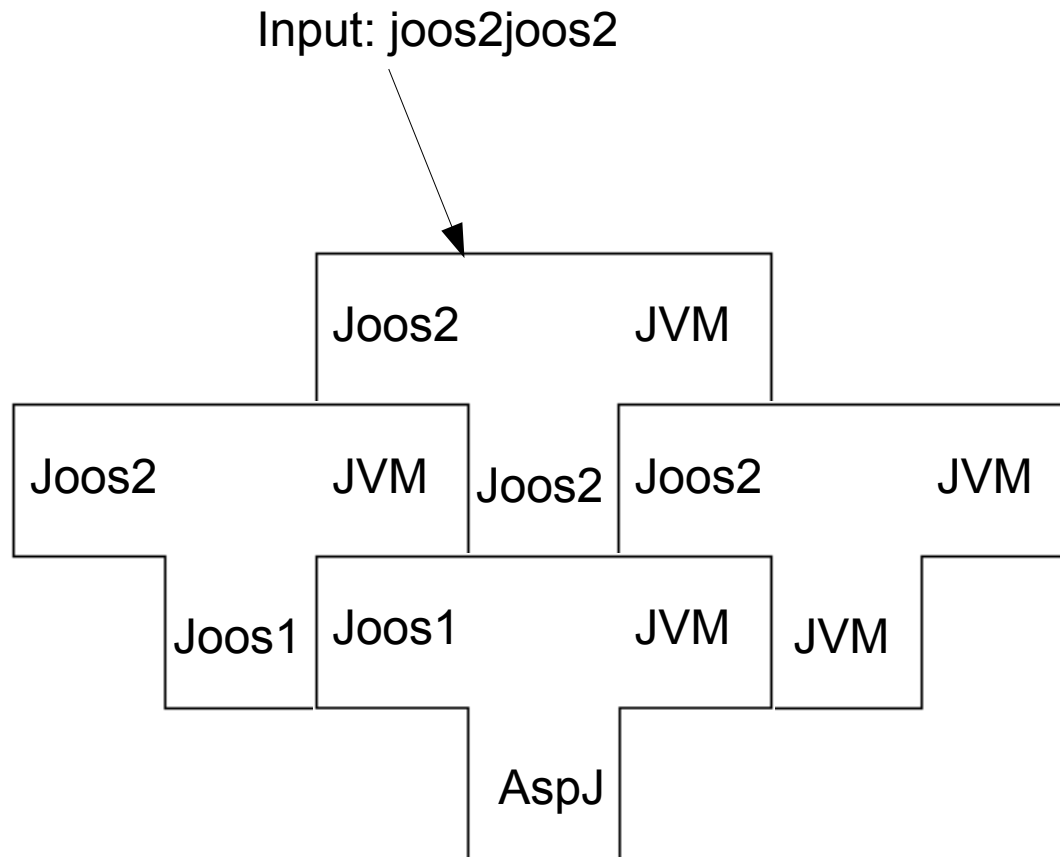
Input: joos1joos2



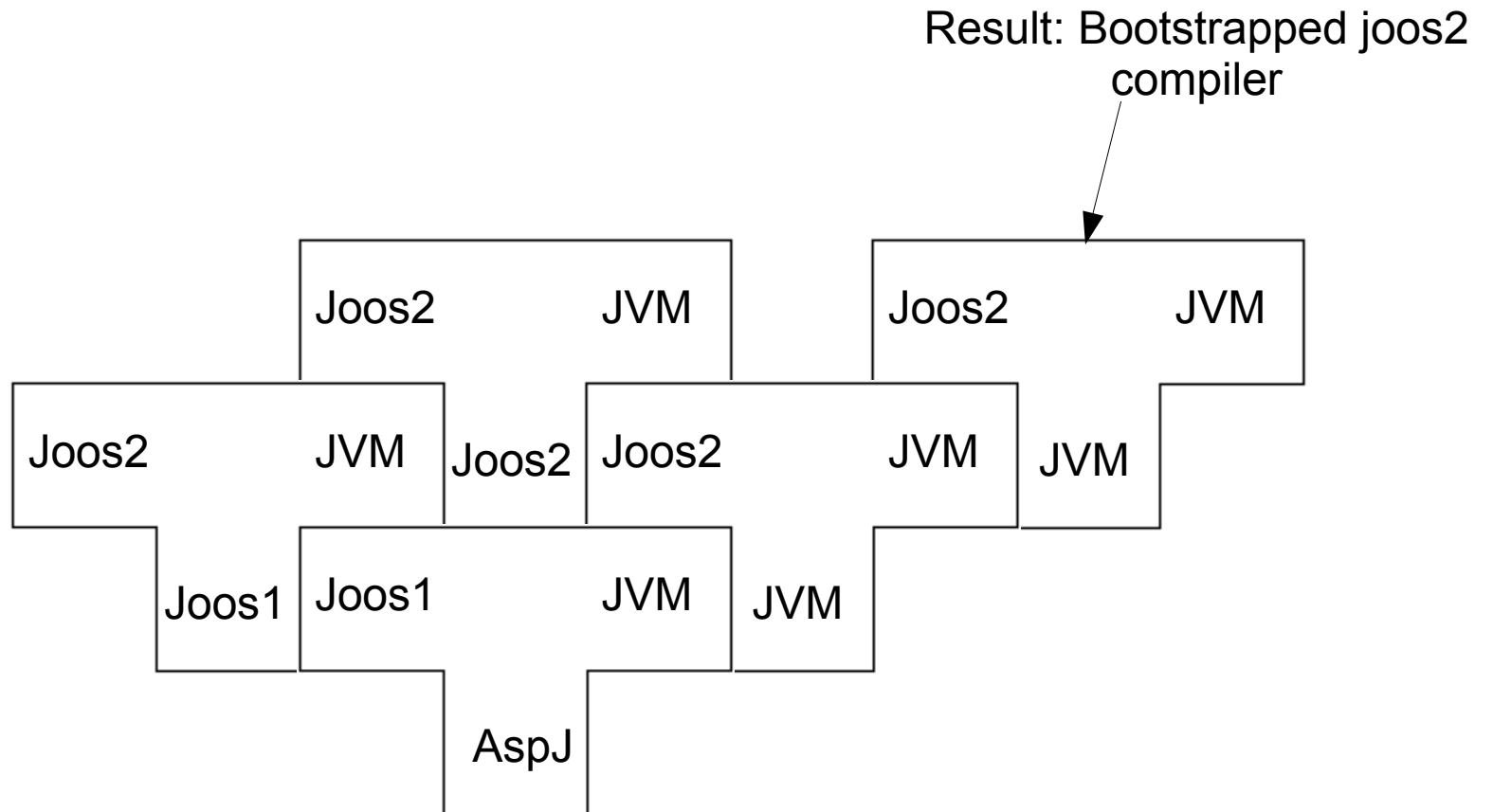
The Ultimate T-Diagram



The Ultimate T-Diagram

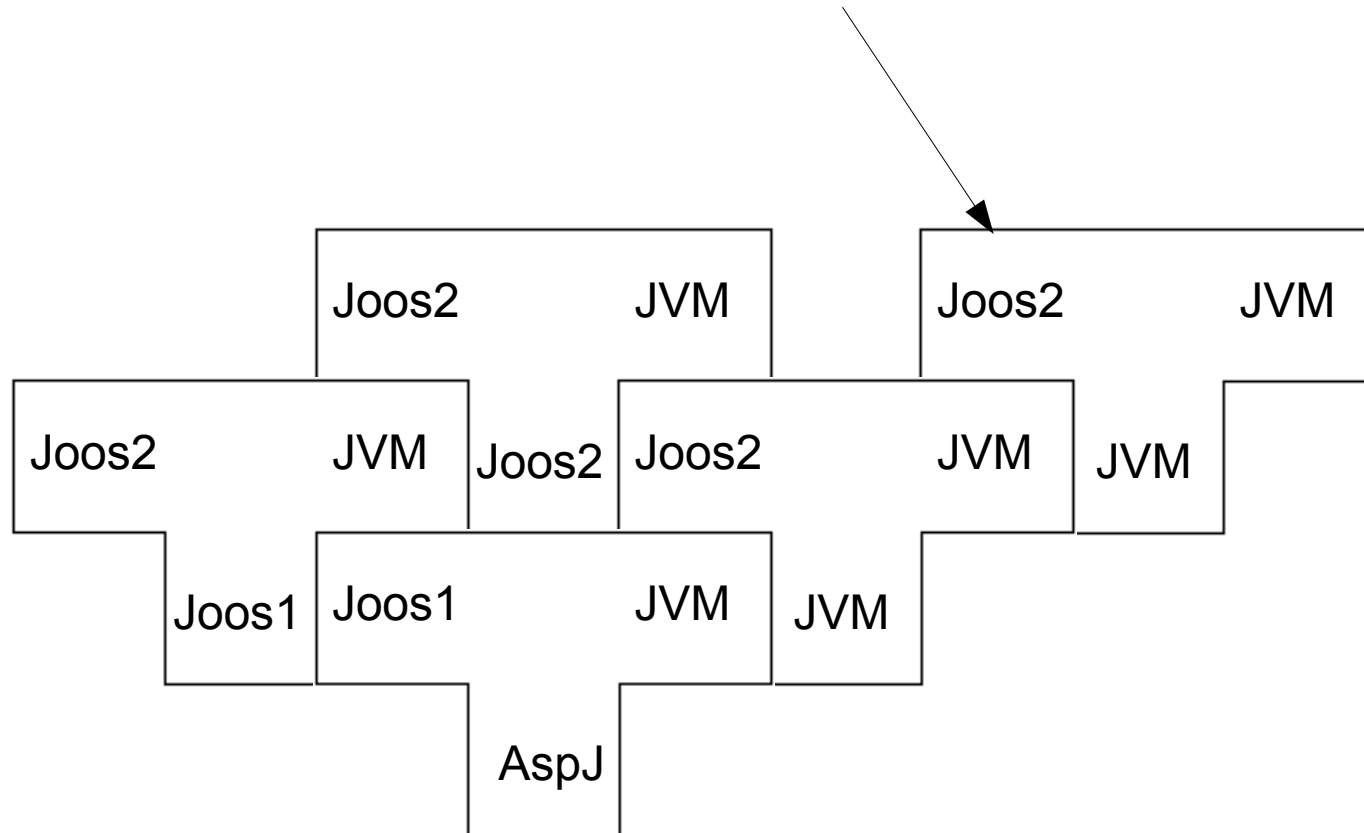


The Ultimate T-Diagram



The Ultimate T-Diagram

Input: All online testcases



Parser

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	█														
2	█														
3	█														
4	█														
5	█														
6	█														
7	█														
8	█														
9	█														
10	█														
11	█														no
12	█														
13	█														
14	█														
15	█														
16	█														
17	█														
18	█														
19	█														no
21	█														
22	█														
23	█														
24	█														
26	█														

Syntax error at ErrorType.java [156,24] TDot='.' expecting: '('
if (_VALUES_[i].name.equals((Object)name)) {

Environments

	Parser	Weeder	Environment	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteAs	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															no
12															
13															
14															
15															
16															
17															
18															
19															no
21															
22															
23															no
24															
26															

Reports duplicate constructor

TypeLinking

	Parser	Weeder	Environment	TypeLinking	Hierarchy	Disambig	TypeCheck	Reachability	DefiniteAs	Resource	CodeGen	Verify Bytecode	Compile joo2joo2	Online test	Bootstrap master?
1	Green	Green	Green	Green											
2	Green	Green	Green	Green											
3	Green	Green	Green	Green											
4	Green	Green	Green	Green											
5	Green	Green	Green	Green											
6	Green	Green	Green	Green											
7	Green	Green	Green	Green											
8	Green	Green	Green	Green											
9	Green	Green	Green	Green											
10	Green	Green	Green	Green											
11	Red	White	White	White											no
12	Green	Green	Green	Green											
13	Green	Green	Green	Green											
14	Green	Green	Green	Green											
15	Green	Green	Green	Green											
16	Green	Green	Green	Green											
17	Green	Green	Green	Green											
18	Green	Green	Green	Green											
19	Red	White	White	White											no
21	Green	Green	Green	Green											
22	Green	Green	Green	Green											
23	Green	Green	Red	White											no
24	Green	Green	Green	Red											no
26	Green	Green	Green	Green											

Could not find type AQualifiedName
 Could not find type Collection
 Could not find type List
 Could not find type
 (6822 of these errors)

Hierarchy

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green										
2	Green	Green	Green	Green	Green										
3	Green	Green	Green	Green	Red										no
4	Green	Green	Green	Green	Green										
5	Green	Green	Green	Green	Green										
6	Green	Green	Green	Green	Green										
7	Green	Green	Green	Green	Green										
8	Green	Green	Green	Green	Green										
9	Green	Green	Green	Green	Green										
10	Green	Green	Green	Green	Green										
11	Red	Green	Green	Green	Green										no
12	Green	Green	Green	Green	Green										
13	Green	Green	Green	Green	Green										
14	Green	Green	Green	Green	Green										
15	Green	Green	Green	Green	Green										
16	Green	Green	Green	Green	Green										
17	Green	Green	Green	Green	Green										
18	Green	Green	Green	Green	Green										
19	Red	Green	Green	Green	Green										no
21	Green	Green	Green	Green	Green										
22	Green	Green	Green	Green	Red										no
23	Green	Green	Red	Green	Green										no
24	Green	Green	Green	Red	Green										no
26	Green	Green	Green	Green	Green										

The method

```
public void apply(dovs.analysis.Question,java.lang.Object)
must have same return type as overridden method
public java.lang.Object apply(dovs.analysis.Answer)
```

Hierarchy

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green										
2	green	green	green	green	green										
3	green	green	green	green	red										no
4	green	green	green	green	green										
5	green	green	green	green	green										
6	green	green	green	green	green										
7	green	green	green	green	green										
8	green	green	green	green	green										
9	green	green	green	green	green										
10	green	green	green	green	green										
11	red	green	green	green	green										no
12	green	green	green	green	green										
13	green	green	green	green	green										
14	green	green	green	green	green										
15	green	green	green	green	green										
16	green	green	green	green	green										
17	green	green	green	green	green										
18	green	green	green	green	green										
19	red	green	green	green	green										no
21	green	green	green	green	green										
22	green	green	green	green	red										no
23	green	green	red	green	green										no
24	green	green	green	red	green										no
26	green	green	green	green	green										

(and 1557 other errors)

Hierarchy

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green										
2	green	green	green	green	green										
3	green	green	green	green	red										no
4	green	green	green	green	green										
5	green	green	green	green	green										
6	green	green	green	green	green										
7	green	green	green	green	green										
8	green	green	green	green	green										
9	green	green	green	green	green										
10	green	green	green	green	green										
11	red	white	white	white	white										no
12	green	green	green	green	green										
13	green	green	green	green	green										
14	green	green	green	green	green										
15	green	green	green	green	green										
16	green	green	green	green	green										
17	green	green	green	green	green										
18	green	green	green	green	green										
19	red	white	white	white	white										no
21	green	green	green	green	green										
22	green	green	green	green	red										no
23	green	green	red	white	white										no
24	green	green	green	red	white										no
26	green	green	green	green	green										

Out of memory (with 1024 MB)



Disambiguation

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green									
2	Green	Green	Green	Green	Green	Red									no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green									
5	Green	Green	Green	Green	Green	Red									no
6	Green	Green	Green	Green	Green	Green									
7	Green	Green	Green	Green	Green	Red									no
8	Green	Green	Green	Green	Green	Green									
9	Green	Green	Green	Green	Green	Green									
10	Green	Green	Green	Green	Green	Green									
11	Red	White	White	White	White	White									no
12	Green	Green	Green	Green	Green	Green									
13	Green	Green	Green	Green	Green	Green									
14	Green	Green	Green	Green	Green	Green									
15	Green	Green	Green	Green	Green	Green									
16	Green	Green	Green	Green	Green	Red									no
17	Green	Green	Green	Green	Green	Green									
18	Green	Green	Green	Green	Green	Green									
19	Red	White	White	White	White	White									no
21	Green	Green	Green	Green	Green	Green									
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green									

Could not find variable Type.BOOLEAN
 Could not find variable Type.BYTE
 Could not find variable
 (79-108 of these errors)

Disambiguation

	Parser	Weeder	Environm	TypeLinkir	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green									
2	Green	Green	Green	Green	Green	Red									no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green									
5	Green	Green	Green	Green	Green	Red									no
6	Green	Green	Green	Green	Green	Green									
7	Green	Green	Green	Green	Green	Red									no
8	Green	Green	Green	Green	Green	Green									
9	Green	Green	Green	Green	Green	Green									
10	Green	Green	Green	Green	Green	Green									
11	Red	White	White	White	White	White									no
12	Green	Green	Green	Green	Green	Green									
13	Green	Green	Green	Green	Green	Green									
14	Green	Green	Green	Green	Green	Green									
15	Green	Green	Green	Green	Green	Green									
16	Green	Green	Green	Green	Green	Red									no
17	Green	Green	Green	Green	Green	Green									
18	Green	Green	Green	Green	Green	Green									
19	Red	White	White	White	White	White									no
21	Green	Green	Green	Green	Green	Green									
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green									

Could not find variable or type Condition
 return Condition.ifName(cond) + " " + target;
 ^
 (same-package unqualified name)

TypeChecking

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green	Green								
2	Green	Green	Green	Green	Green	Red	White								no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green	Green								
5	Green	Green	Green	Green	Green	Red	White								no
6	Green	Green	Green	Green	Green	Green	Red								no
7	Green	Green	Green	Green	Green	Red	White								no
8	Green	Green	Green	Green	Green	Green	Green								
9	Green	Green	Green	Green	Green	Green	Red								no
10	Green	Green	Green	Green	Green	Green	Yellow								
11	Red	White	White	White	White	White	White								no
12	Green	Green	Green	Green	Green	Green	Green								
13	Green	Green	Green	Green	Green	Green	Green								
14	Green	Green	Green	Green	Green	Green	Green								
15	Green	Green	Green	Green	Green	Green	Red								no
16	Green	Green	Green	Green	Green	Red	White								no
17	Green	Green	Green	Green	Green	Green	Green								
18	Green	Green	Green	Green	Green	Green	Green								
19	Red	White	White	White	White	White	White								no
21	Green	Green	Green	Green	Green	Green	Red								no
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green	Green								

Could not find a matching method for toString()
 return node.toString();
 ^

TypeChecking

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green	Green								
2	Green	Green	Green	Green	Green	Red	White								no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green	Green								
5	Green	Green	Green	Green	Green	Red	White								no
6	Green	Green	Green	Green	Green	Green	Red								no
7	Green	Green	Green	Green	Green	Red	White								no
8	Green	Green	Green	Green	Green	Green	Green								
9	Green	Green	Green	Green	Green	Green	Red								no
10	Green	Green	Green	Green	Green	Green	Yellow								
11	Red	White	White	White	White	White	White								no
12	Green	Green	Green	Green	Green	Green	Green								
13	Green	Green	Green	Green	Green	Green	Green								
14	Green	Green	Green	Green	Green	Green	Green								
15	Green	Green	Green	Green	Green	Green	Red								no
16	Green	Green	Green	Green	Green	Red	White								no
17	Green	Green	Green	Green	Green	Green	Green								
18	Green	Green	Green	Green	Green	Green	Green								
19	Red	White	White	White	White	White	White								no
21	Green	Green	Green	Green	Green	Green	Red								no
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green	Green								

Could not find a matching method for listIterator()
 protected ListIterator stack = stackList.listIterator();
 ^

TypeChecking

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green	Green								
2	Green	Green	Green	Green	Green	Red	White								no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green	Green								
5	Green	Green	Green	Green	Green	Red	White								no
6	Green	Green	Green	Green	Green	Green	Red								no
7	Green	Green	Green	Green	Green	Red	White								no
8	Green	Green	Green	Green	Green	Green	Green								
9	Green	Green	Green	Green	Green	Green	Red								no
10	Green	Green	Green	Green	Green	Green	Yellow								
11	Red	White	White	White	White	White	White								no
12	Green	Green	Green	Green	Green	Green	Green								
13	Green	Green	Green	Green	Green	Green	Green								
14	Green	Green	Green	Green	Green	Green	Green								
15	Green	Green	Green	Green	Green	Green	Red								no
16	Green	Green	Green	Green	Green	Red	White								no
17	Green	Green	Green	Green	Green	Green	Green								
18	Green	Green	Green	Green	Green	Green	Green								
19	Red	White	White	White	White	White	White								no
21	Green	Green	Green	Green	Green	Green	Red								no
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green	Green								

Could not find a matching method for
 getDescendants(java.util.Collection,dovs.node.NodeFilter)
 this._receiver_.getDescendants(collection, filter);
 ^

TypeChecking

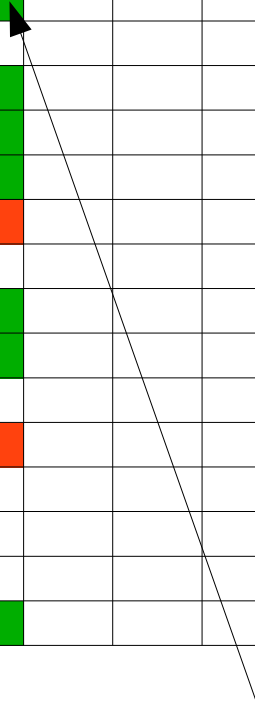
	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green	Green								
2	Green	Green	Green	Green	Green	Red	White								no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green	Green								
5	Green	Green	Green	Green	Green	Red	White								no
6	Green	Green	Green	Green	Green	Green	Red								no
7	Green	Green	Green	Green	Green	Red	White								no
8	Green	Green	Green	Green	Green	Green	Green								
9	Green	Green	Green	Green	Green	Green	Red								no
10	Green	Green	Green	Green	Green	Green	Yellow								
11	Red	White	White	White	White	White	White								no
12	Green	Green	Green	Green	Green	Green	Green								
13	Green	Green	Green	Green	Green	Green	Green								
14	Green	Green	Green	Green	Green	Green	Green								
15	Green	Green	Green	Green	Green	Green	Red								no
16	Green	Green	Green	Green	Green	Red	White								no
17	Green	Green	Green	Green	Green	Green	Green								
18	Green	Green	Green	Green	Green	Green	Green								
19	Red	White	White	White	White	White	White								no
21	Green	Green	Green	Green	Green	Green	Red								no
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green	Green								

Spammed stdout for over an hour
 I removed ~80 System.out.printlns from TypeChecking
 Then this phase took less than 10 seconds.

TypeChecking

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	Green	Green	Green	Green	Green	Green	Green								
2	Green	Green	Green	Green	Green	Red	White								no
3	Green	Green	Green	Green	Red	White									no
4	Green	Green	Green	Green	Green	Green	Green								
5	Green	Green	Green	Green	Green	Red	White								no
6	Green	Green	Green	Green	Green	Green	Red								no
7	Green	Green	Green	Green	Green	Red	White								no
8	Green	Green	Green	Green	Green	Green	Green								
9	Green	Green	Green	Green	Green	Green	Red								no
10	Green	Green	Green	Green	Green	Green	Green								
11	Red	White	White	White	White	White	White								no
12	Green	Green	Green	Green	Green	Green	Green								
13	Green	Green	Green	Green	Green	Green	Green								
14	Green	Green	Green	Green	Green	Green	Green								
15	Green	Green	Green	Green	Green	Green	Red								no
16	Green	Green	Green	Green	Green	Red	White								no
17	Green	Green	Green	Green	Green	Green	Green								
18	Green	Green	Green	Green	Green	Green	Green								
19	Red	White	White	White	White	White	White								no
21	Green	Green	Green	Green	Green	Green	Red								no
22	Green	Green	Green	Green	Red	White									no
23	Green	Green	Red	White	White	White									no
24	Green	Green	Green	Red	White	White									no
26	Green	Green	Green	Green	Green	Green	Green								

You get a second chance



Reachability

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteA	sResource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green							
2	green	green	green	green	green	red									no
3	green	green	green	green	red										no
4	green	green	green	green	green	green	green	green							
5	green	green	green	green	green	red									no
6	green	green	green	green	green	green	red								no
7	green	green	green	green	green	red									no
8	green	green	green	green	green	green	green	green							
9	green	green	green	green	green	green	red								no
10	green	green	green	green	green	green	green	green							
11	red														no
12	green	green	green	green	green	green	green	green							
13	green	green	green	green	green	green	green	green							
14	green	green	green	green	green	green	green	green							
15	green	green	green	green	green	green	red								no
16	green	green	green	green	green	red									no
17	green	green	green	green	green	green	green	red							no
18	green	green	green	green	green	green	green	green							
19	red														no
21	green	green	green	green	green	green	red								no
22	green	green	green	green	red										no
23	green	green	red												no
24	green	green	green	red											no
26	green	green	green	green	green	green	green	green							

Reachability

	Parser	Weeder	Environment	TypeLinker	Hierarchy	Disambig	TypeChecker	Reachability	DefiniteAssignment	ResourceCodeGen	Verify Bytecode	Compile joo2joo2	Online test	Bootstrap master?
1	green	green	green	green	green	green	green	green						
2	green	green	green	green	green	red	white	white						no
3	green	green	green	green	red	white	white	white						no
4	green	green	green	green	green	green	green	green						
5	green	green	green	green	green	red	white	white						no
6	green	green	green	green	green	green	red	white						no
7	green	green	green	green	green	red	white	white						no
8	green	green	green	green	green	green	green	green						
9	green	green	green	green	green	green	red	white						no
10	green	green	green	green	green	green	green	green						
11	red	white	white	white	white	white	white	white						no
12	green	green	green	green	green	green	green	green						
13	green	green	green	green	green	green	green	green						
14	green	green	green	green	green	green	green	green						
15	green	green	green	green	green	green	red	white						no
16	green	green	green	green	green	red	white	white						no
17	green	green	green	green	green	green	green	red						no
18	green	green	green	green	green	green	green	green						
19	red	white	white	white	white	white	white	white						no
21	green	green	green	green	green	green	red	white						no
22	green	green	green	green	red	white	white	white						no
23	green	green	red	white	white	white	white	white						no
24	green	green	green	red	white	white	white	white						no
26	green	green	green	green	green	green	green	green						

Timeout. Probably an infinite loop.



Reachability

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteA	sResource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	█	█	█	█	█	█	█	█							
2	█	█	█	█	█	█	█	█							no
3	█	█	█	█	█	█	█	█							no
4	█	█	█	█	█	█	█	█							
5	█	█	█	█	█	█	█	█							no
6	█	█	█	█	█	█	█	█							no
7	█	█	█	█	█	█	█	█							no
8	█	█	█	█	█	█	█	█							
9	█	█	█	█	█	█	█	█							no
10	█	█	█	█	█	█	█	█							
11	█														no
12	█	█	█	█	█	█	█	█							
13	█	█	█	█	█	█	█	█							
14	█	█	█	█	█	█	█	█							
15	█	█	█	█	█	█	█	█							no
16	█	█	█	█	█	█	█	█							no
17	█	█	█	█	█	█	█	█							no
18	█	█	█	█	█	█	█	█							
19	█														no
21	█	█	█	█	█	█	█	█							no
22	█	█	█	█	█	█	█	█							no
23	█	█	█	█	█	█	█	█							no
24	█	█	█	█	█	█	█	█							no
26	█	█	█	█	█	█	█	█							

DefiniteAssignment

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteAs	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green						
2	green	green	green	green	green	red	white	white	white						no
3	green	green	green	green	red	white	white	white	white						no
4	green	green	green	green	green	green	green	green	green						
5	green	green	green	green	green	red	white	white	white						no
6	green	green	green	green	green	green	red	white	white						no
7	green	green	green	green	green	red	white	white	white						no
8	green	green	green	green	green	green	green	green	green						
9	green	green	green	green	green	green	red	white	white						no
10	green	green	green	green	green	green	green	green	green						
11	red	white	white	white	white	white	white	white	white						no
12	green	green	green	green	green	green	green	green	green						
13	green	green	green	green	green	green	green	green	green						
14	green	green	green	green	green	green	green	green	green						
15	green	green	green	green	green	green	red	white	white						no
16	green	green	green	green	green	red	white	white	white						no
17	green	green	green	green	green	green	green	red	white						no
18	green	green	green	green	green	green	green	green	green						
19	red	white	white	white	white	white	white	white	white						no
21	green	green	green	green	green	green	red	white	white						no
22	green	green	green	green	red	white	white	white	white						no
23	green	green	red	white	white	white	white	white	white						no
24	green	green	green	red	white	white	white	white	white						no
26	green	green	green	green	green	green	green	green	green						

DefiniteAssignment

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteAs	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green						
2	green	green	green	green	green	red	white	white	white						no
3	green	green	green	green	red	white	white	white	white						no
4	green	green	green	green	green	green	green	green	green						
5	green	green	green	green	green	red	white	white	white						no
6	green	green	green	green	green	green	red	white	white						no
7	green	green	green	green	green	red	white	white	white						no
8	green	green	green	green	green	green	green	green	green						
9	green	green	green	green	green	green	red	white	white						no
10	green	green	green	green	green	green	green	green	green						
11	red	white	white	white	white	white	white	white	white						no
12	green	green	green	green	green	green	green	green	green						
13	green	green	green	green	green	green	green	green	green						
14	green	green	green	green	green	green	green	green	green						
15	green	green	green	green	green	green	red	white	white						no
16	green	green	green	green	green	red	white	white	white						no
17	green	green	green	green	green	green	green	red	white						no
18	green	green	green	green	green	green	green	green	green						
19	red	white	white	white	white	white	white	white	white						no
21	green	green	green	green	green	green	red	white	white						no
22	green	green	green	green	red	white	white	white	white						no
23	green	green	red	white	white	white	white	white	white						no
24	green	green	green	red	white	white	white	white	white						no
26	green	green	green	green	green	green	green	green	green						

Hurray for DefiniteAssignment!

DefiniteAssignment

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteAs	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green						
2	green	green	green	green	green	red	white	white	white						no
3	green	green	green	green	red	white	white	white	white						no
4	green	green	green	green	green	green	green	green	green						
5	green	green	green	green	green	red	white	white	white						no
6	green	green	green	green	green	green	red	white	white						no
7	green	green	green	green	green	red	white	white	white						no
8	green	green	green	green	green	green	green	green	green						
9	green	green	green	green	green	green	red	white	white						no
10	green	green	green	green	green	green	green	green	green						
11	red	white	white	white	white	white	white	white	white						no
12	green	green	green	green	green	green	green	green	green						
13	green	green	green	green	green	green	green	green	green						
14	green	green	green	green	green	green	green	green	green						
15	green	green	green	green	green	green	red	white	white						no
16	green	green	green	green	green	red	white	white	white						no
17	green	green	green	green	green	green	green	red	white						no
18	green	green	green	green	green	green	green	green	green						
19	red	white	white	white	white	white	white	white	white						no
21	green	green	green	green	green	green	red	white	white						no
22	green	green	green	green	red	white	white	white	white						no
23	green	green	red	white	white	white	white	white	white						no
24	green	green	green	red	white	white	white	white	white						no
26	green	green	green	green	green	green	green	green	green						

Resources

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green	red					no
2	green	green	green	green	green	red									no
3	green	green	green	green	red										no
4	green	green	green	green	green	green	green	green	green	green					
5	green	green	green	green	green	red									no
6	green	green	green	green	green	green	red								no
7	green	green	green	green	green	red									no
8	green	green	green	green	green	green	green	green	green	green					
9	green	green	green	green	green	green	red								no
10	green	green	green	green	green	green	green	green	green	green					
11	red														no
12	green	green	green	green	green	green	green	green	green	green					
13	green	green	green	green	green	green	green	green	green	green					
14	green	green	green	green	green	green	green	green	green	green					
15	green	green	green	green	green	green	red								no
16	green	green	green	green	green	red									no
17	green	green	green	green	green	green	green	red							no
18	green	green	green	green	green	green	green	green	green	green					
19	red														no
21	green	green	green	green	green	green	red								no
22	green	green	green	green	red										no
23	green	green	red												no
24	green	green	green	red											no
26	green	green	green	green	green	green	green	green	green	green					

Resources

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green	red	green				no
2	green	green	green	green	green	red	green	green	green	green	green				no
3	green	green	green	green	red	green	green	green	green	green	green				no
4	green	green	green	green	green	green	green	green	green	green	green				
5	green	green	green	green	green	red	green	green	green	green	green				no
6	green	green	green	green	green	green	red	green	green	green	green				no
7	green	green	green	green	green	red	green	green	green	green	green				no
8	green	green	green	green	green	green	green	green	green	green	green				
9	green	green	green	green	green	green	red	green	green	green	green				no
10	green	green	green	green	green	green	green	green	green	green	green				
11	red	green	green	green	green	green	green	green	green	green	green				no
12	green	green	green	green	green	green	green	green	green	green	green				
13	green	green	green	green	green	green	green	green	green	green	green				
14	green	green	green	green	green	green	green	green	green	green	green				
15	green	green	green	green	green	green	red	green	green	green	green				no
16	green	green	green	green	green	red	green	green	green	green	green				no
17	green	green	green	green	green	green	green	red	green	green	green				no
18	green	green	green	green	green	green	green	green	green	green	green				
19	red	green	green	green	green	green	green	green	green	green	green				no
21	green	green	green	green	green	green	red	green	green	green	green				no
22	green	green	green	green	red	green	green	green	green	green	green				no
23	green	green	red	green	green	green	green	green	green	green	green				no
24	green	green	green	red	green	green	green	green	green	green	green				no
26	green	green	green	green	green	green	green	green	green	green	green				



Timeout in liveness analysis.

CodeGeneration

	Parser	Weeder	Environm	TypeLink	irHierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green	red	green				no
2	green	green	green	green	green	red	green	green	green	green	green				no
3	green	green	green	green	red	green	green	green	green	green	green				no
4	green	green	green	green	green	green	green	green	green	green	green				
5	green	green	green	green	green	red	green	green	green	green	green				no
6	green	green	green	green	green	green	red	green	green	green	green				no
7	green	green	green	green	green	red	green	green	green	green	green				no
8	green	green	green	green	green	green	green	green	green	green	green				
9	green	green	green	green	green	green	red	green	green	green	green				no
10	green	green	green	green	green	green	green	green	green	green	green				
11	red	green	green	green	green	green	green	green	green	green	green				no
12	green	green	green	green	green	green	green	green	green	green	green				
13	green	green	green	green	green	green	green	green	green	green	green				
14	green	green	green	green	green	green	green	green	green	green	green				
15	green	green	green	green	green	green	red	green	green	green	green				no
16	green	green	green	green	green	red	green	green	green	green	green				no
17	green	green	green	green	green	green	green	red	green	green	green				no
18	green	green	green	green	green	green	green	green	green	green	green				
19	red	green	green	green	green	green	green	green	green	green	green				no
21	green	green	green	green	green	green	red	green	green	green	green				no
22	green	green	green	green	red	green	green	green	green	green	green				no
23	green	green	red	green	green	green	green	green	green	green	green				no
24	green	green	green	red	green	green	green	green	green	green	green				no
26	green	green	green	green	green	green	green	green	green	green	green				

Compile joos2joos2

	Parser	Weeder	Environment	TypeLinker	Hierarchy	Disambig	TypeChecker	Reachability	DefiniteAssignment	ResourceCodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?
1	green	green	green	green	green	green	green	green	green	red	green	green	green	no
2	green	green	green	green	green	red	green	green	green	green	green	green	green	no
3	green	green	green	green	red	green	green	green	green	green	green	green	green	no
4	green	green	green	green	green	green	green	green	green	green	green	green	green	no
5	green	green	green	green	green	red	green	green	green	green	green	green	green	no
6	green	green	green	green	green	green	red	green	green	green	green	green	green	no
7	green	green	green	green	green	red	green	green	green	green	green	green	green	no
8	green	green	green	green	green	green	green	green	green	green	green	green	green	no
9	green	green	green	green	green	green	red	green	green	green	green	green	green	no
10	green	green	green	green	green	green	green	green	green	green	green	green	green	no
11	red	green	green	green	green	green	green	green	green	green	green	green	green	no
12	green	green	green	green	green	green	green	green	green	green	green	green	green	no
13	green	green	green	green	green	green	green	green	green	green	green	green	green	no
14	green	green	green	green	green	green	green	green	green	green	green	red	green	no
15	green	green	green	green	green	green	red	green	green	green	green	green	green	no
16	green	green	green	green	green	red	green	green	green	green	green	green	green	no
17	green	green	green	green	green	green	green	red	green	green	green	green	green	no
18	green	green	green	green	green	green	green	green	green	green	green	green	green	no
19	red	green	green	green	green	green	green	green	green	green	green	green	green	no
21	green	green	green	green	green	green	red	green	green	green	green	green	green	no
22	green	green	green	green	red	green	green	green	green	green	green	green	green	no
23	green	green	red	green	green	green	green	green	green	green	green	green	green	no
24	green	green	green	red	green	green	green	green	green	green	green	green	green	no
26	green	green	green	green	green	green	green	green	green	green	green	green	green	no

Timeout. Looks like a bug in CodeGeneration's handling of control flow causes an infinite loop.

Online test suite

	Parser	Weeder	Environm	TypeLink	Hierarchy	Disambig	TypeChec	Reachabil	DefiniteA	Resource	CodeGen	Verify Bytecode	Compile joos2joos2	Onlinetest	Bootstrap master?	
1	Green	Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	no
2	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
3	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
4	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!
5	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
6	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	no
7	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
8	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!
9	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	no
10	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!
11	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
12	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!
13	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!
14	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	no
15	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	no
16	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
17	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	no
18	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!
19	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
21	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	no
22	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
23	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
24	Green	Green	Green	Red	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	no
26	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	YES!

Congratulations!

Bootstrap Masters 2010

Kasper Føns Sørensen
Ole Rasmussen
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Anders Haahr
Johannes Blaschke Hansen
Michael Herlev Schiønning

Daniel Winther Petersen
Bo Mortensen
Simon Bilskov Jespersen

Daniel Milo Farkner
Nikolai Møller
Jakob Koed Holm

Mikkel Pedersen Kaas
Jakob Jakobsen Boysen
Troels Ugilt Jensen

Morten Kragelund Holt
Baban Ketabi
Nils Asbjørn Joensen

Allan Brøndum Rasmussen