

文字列連結の最適化

文字列の連結が最適化されているさま。

```
/**
 * @see JSL 15.18.1.2 Optimization of String Concatenation
 */
public class OptStrConcatTest {
    public static void main(String[] args) {
        String s2 = args[0] + args[1] + args[2];
    }
}
```

```
>javac OptStrConcatTest.java
>javap -c SbTest > SbTest.jc
```

```
Compiled from "OptStrConcatTest.java"
public class OptStrConcatTest extends java.lang.Object{
    public OptStrConcatTest();
    Code:
        0: aload_0
        1: invokespecial #1; //Method java/lang/Object."<init>":()V
        4: return

    public static void main(java.lang.String[]);
    Code:
        0: new #2; //class StringBuffer
        3: dup
        4: invokespecial #3; //Method java/lang/StringBuffer."<init>":()V
        7: aload_0
        8: iconst_0
        9: aaload
           10: : invokevirtual #4 ; //Method
java/lang/StringBuffer.append:(Ljava/lang/String;)Ljava/lang/StringBuffer;
       13: aload_0
       14: iconst_1
       15: aaload
           16: : invokevirtual #4 ; //Method
java/lang/StringBuffer.append:(Ljava/lang/String;)Ljava/lang/StringBuffer;
       19: aload_0
       20: iconst_2
       21: aaload
           22: : invokevirtual #4 ; //Method
java/lang/StringBuffer.append:(Ljava/lang/String;)Ljava/lang/StringBuffer;
       25: invokevirtual #5; //Method java/lang/StringBuffer.toString:()Ljava/lang/String;
       28: astore_1
       29: return
    }
```
