**Project Under Test: MonkeySim**

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David Bickford

10 November 2016

**CS 1632 - DELIVERABLE 4: Performance Testing Using VisualVM**

**SUMMARY**

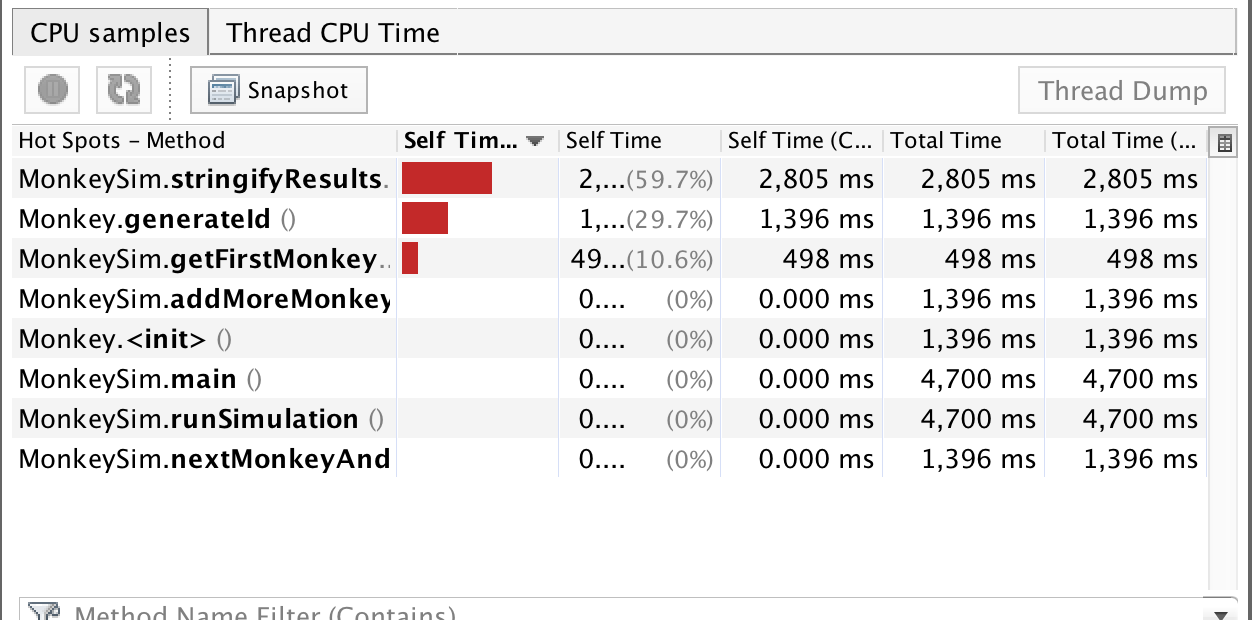
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*Summary*

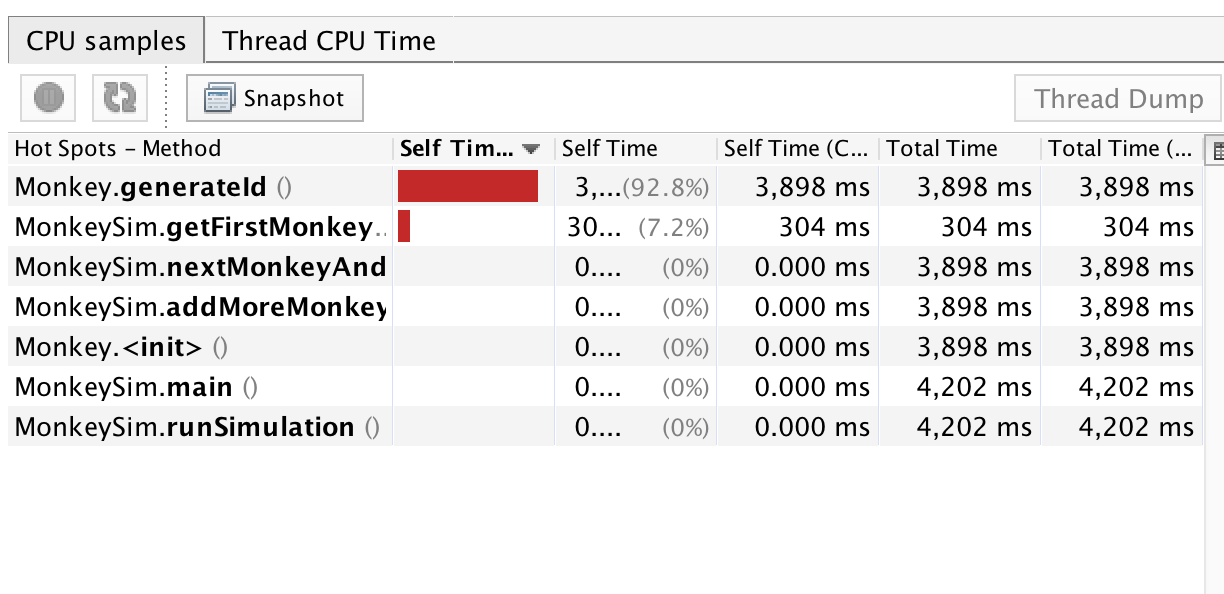
**SCREENSHOTS OF VISUALVM**

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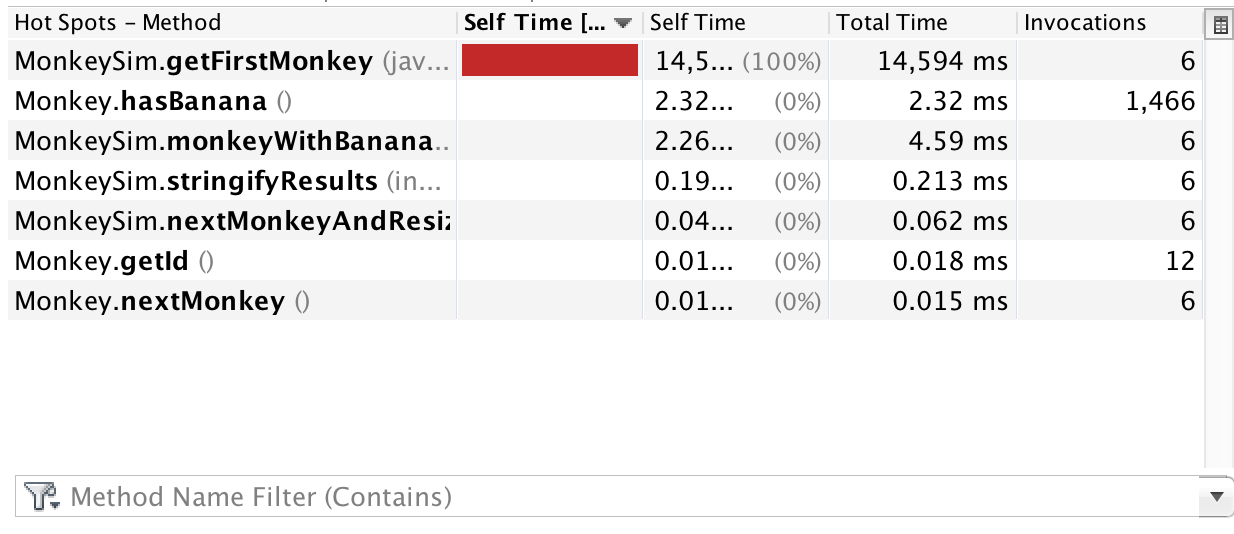
**BEFORE any refactoring:**

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**AFTER refactoring stringifyResults()**



**AFTER refactoring generateID()**



**AFTER refactoring getFirstMonkey()**

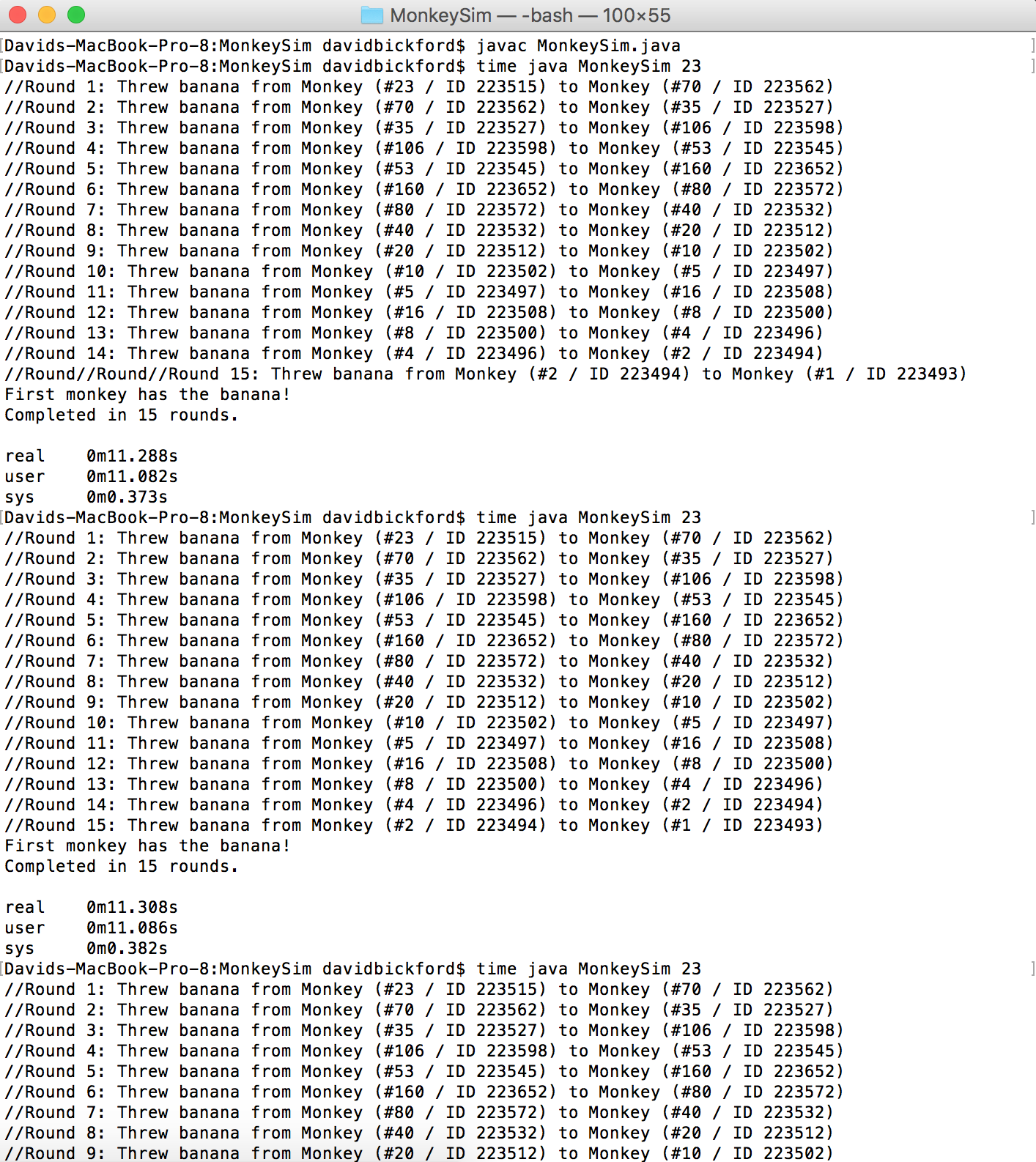
Was too fast to be able to run program and open profiler in time for a screenshot.

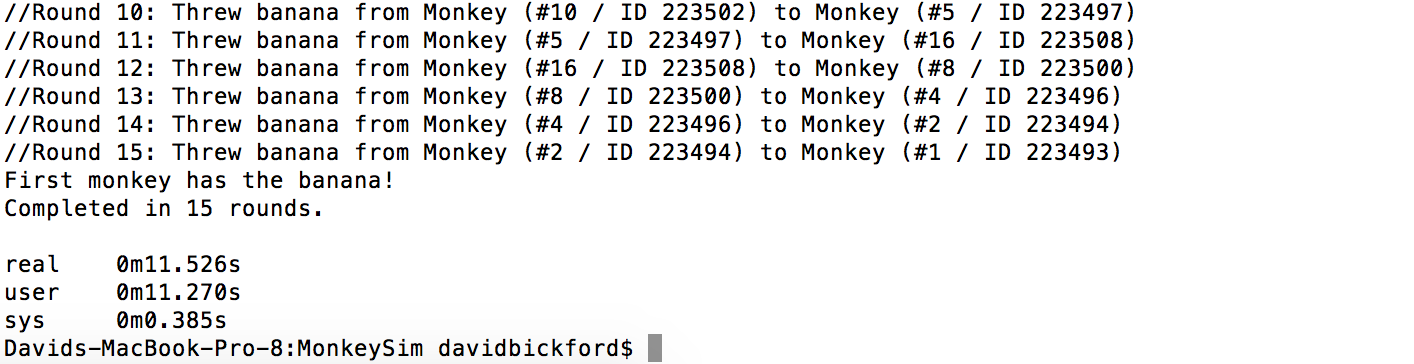
**INITIAL & FINAL TIMES**

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**BEFORE any refactoring**

**Initial monkey: 23**



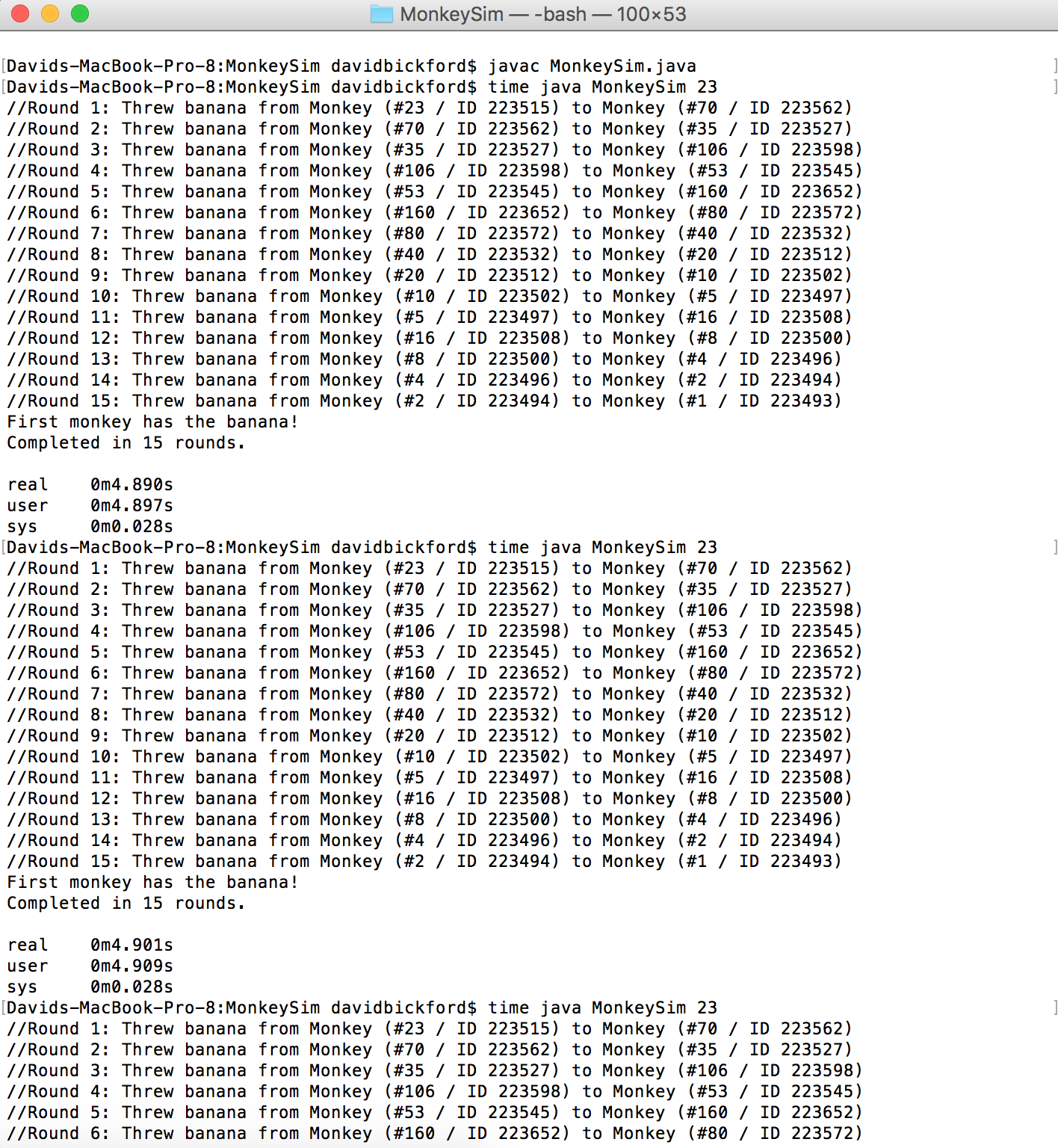


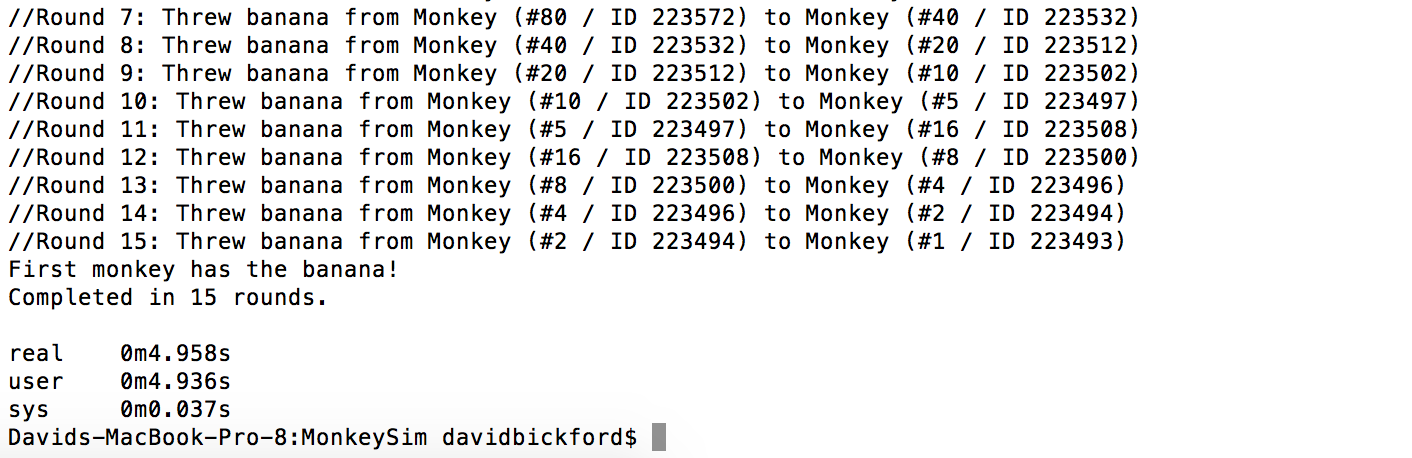
* Max amount of real time: 0m11.526s
* Mean time of real time: 0m11.374s

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**AFTER refactoring stringifyResults()**

**Initial monkey: 23**



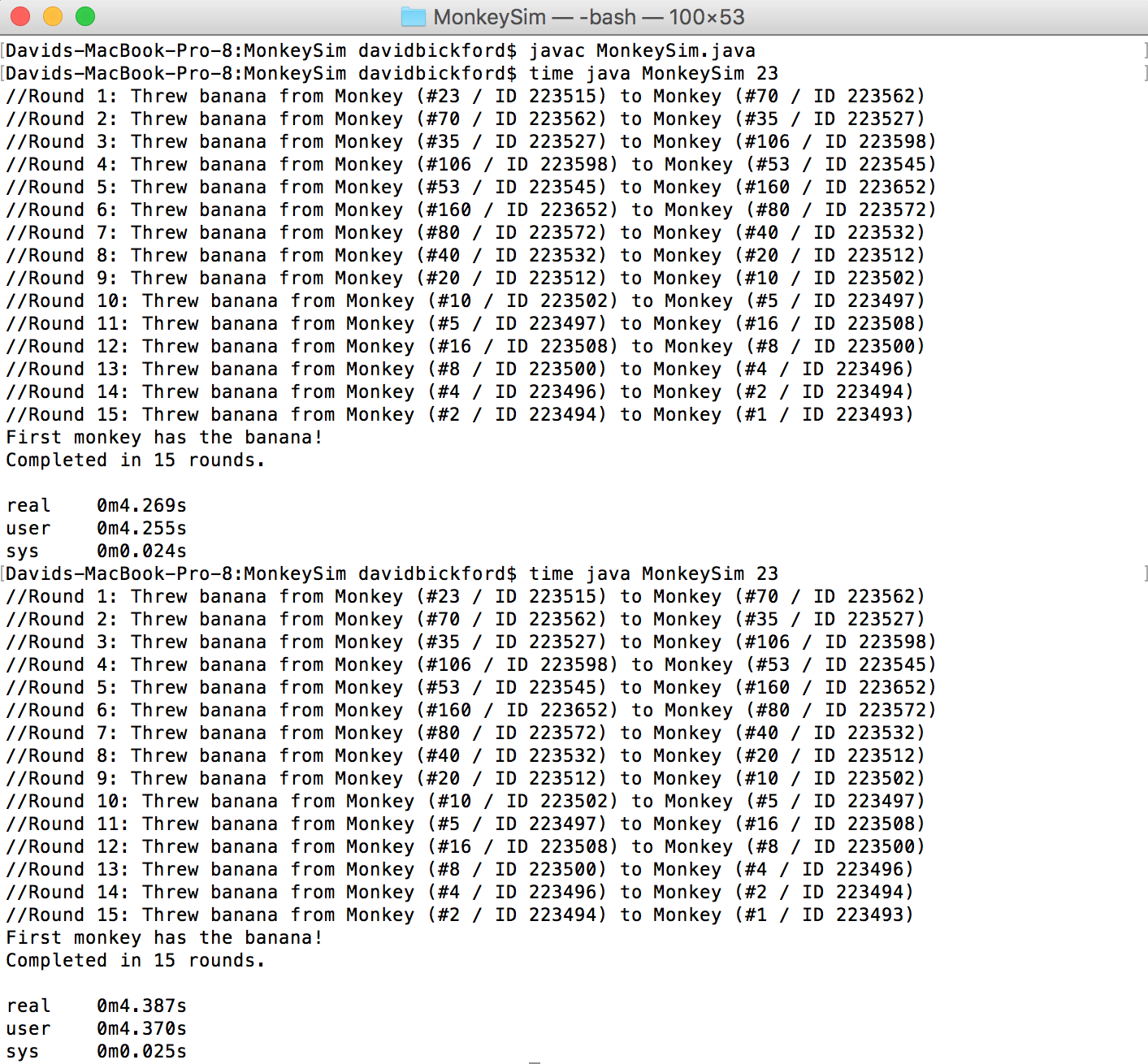


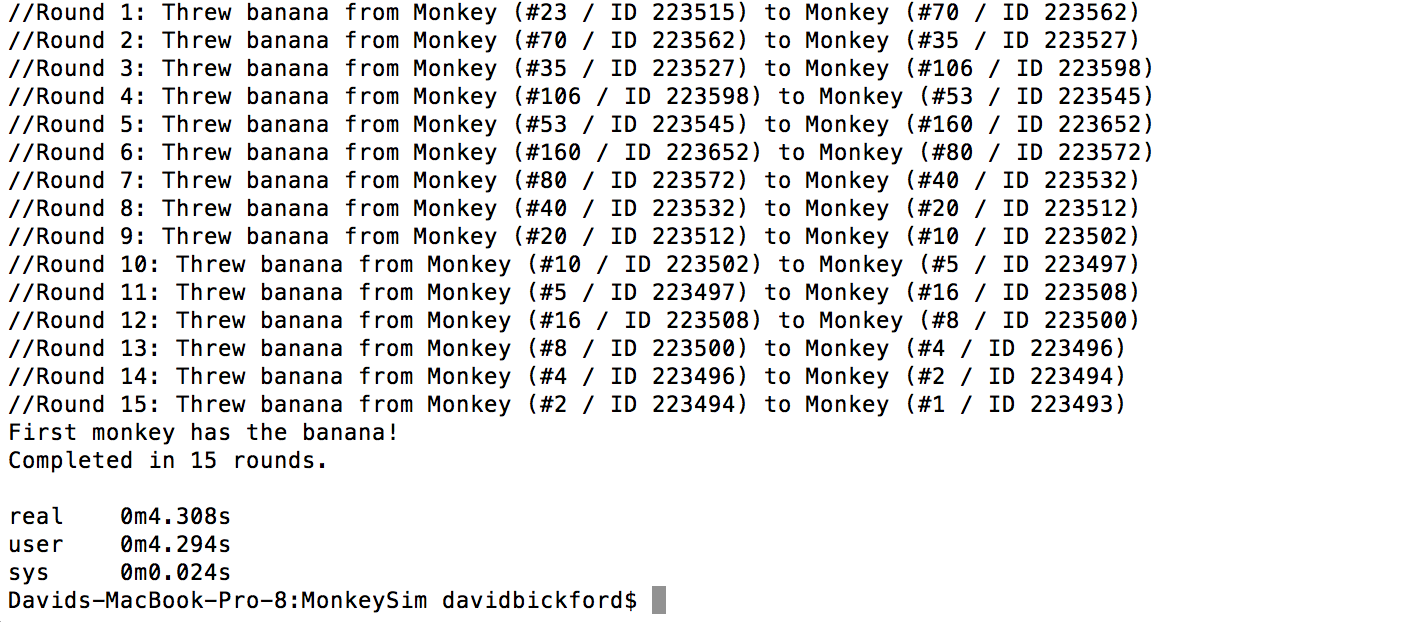
* Max amount of real time: 0m4.958s
* Mean time of real time: 0m4.916s

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**AFTER refactoring getFirstMonkey()**

**Initial monkey: 4**



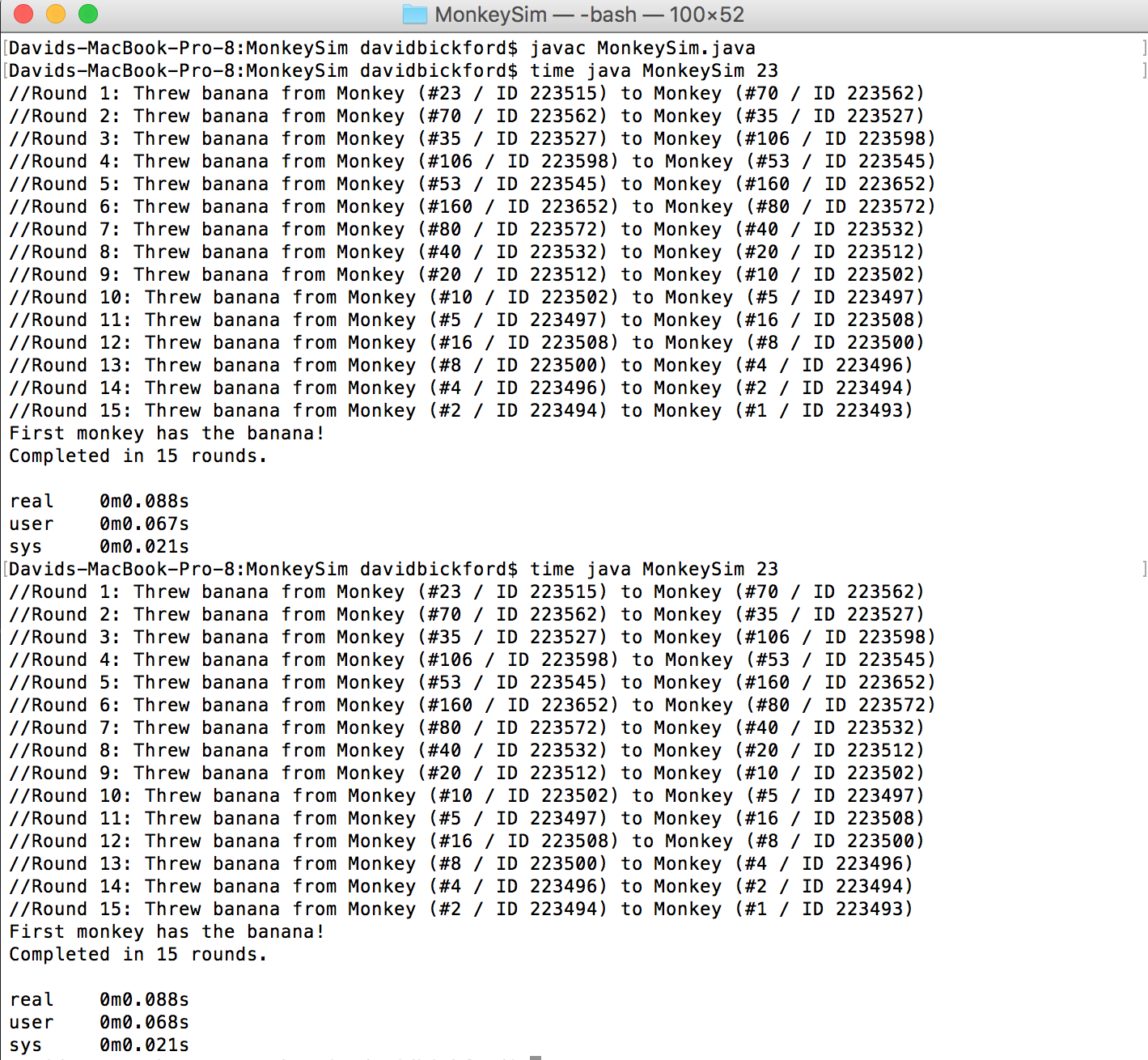


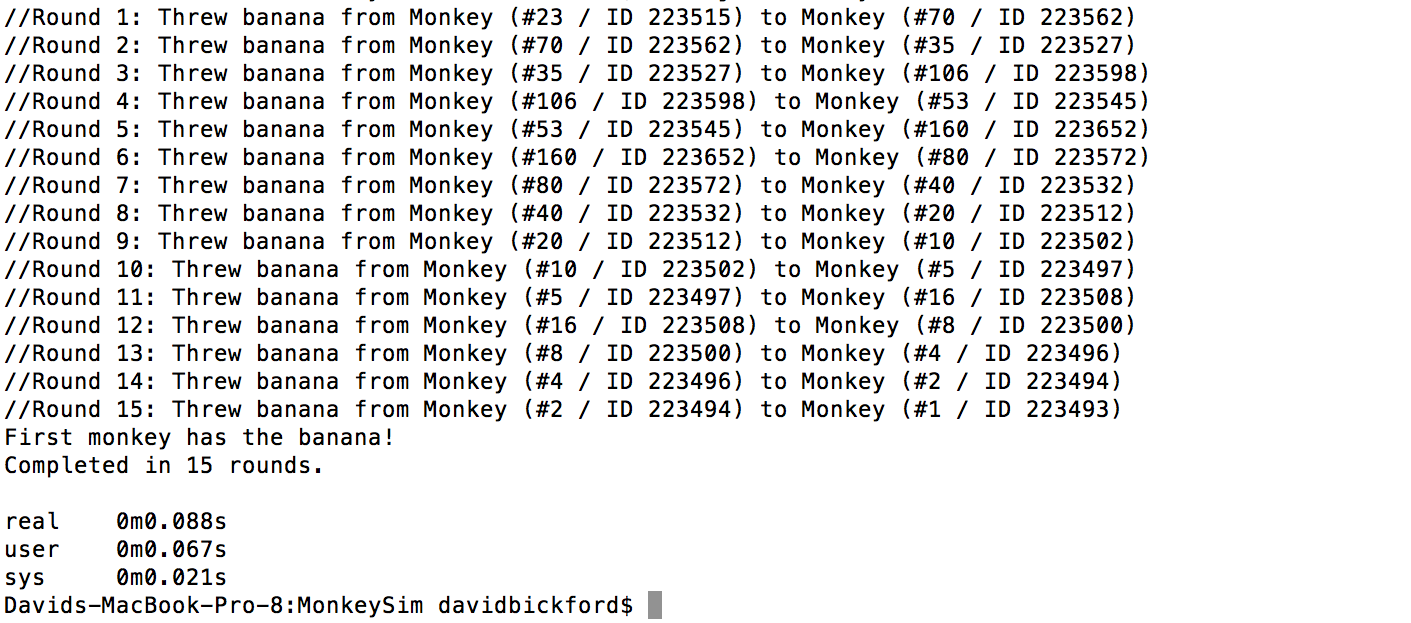
* Max amount of real time: 0m4.387s
* Mean time of real time: 0m4.321s

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**AFTER refactoring generateID()**

**Initial monkey: 4**





* Max amount of real time: 0m0.088s
* Mean time of real time: 0m0.088s

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