**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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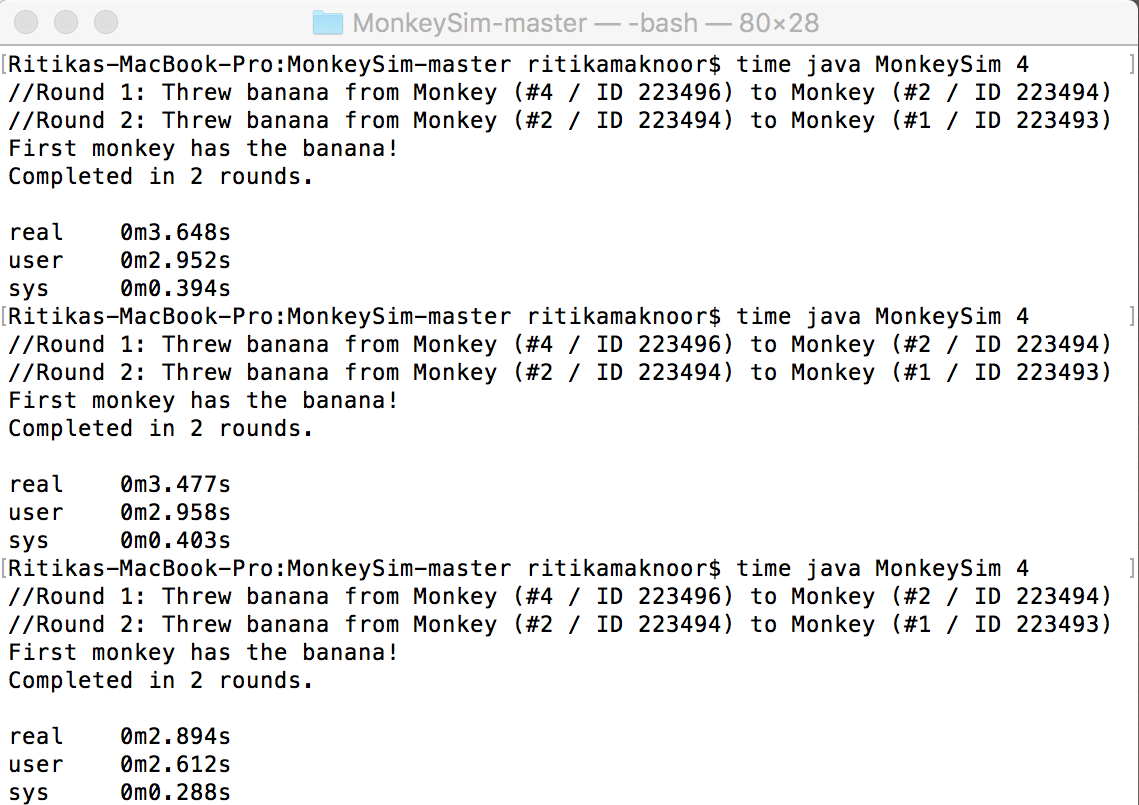
*Summary*

**SCREENSHOTS OF VISUALVM**

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**BEFORE any refactoring**

**Initial monkey: 4**

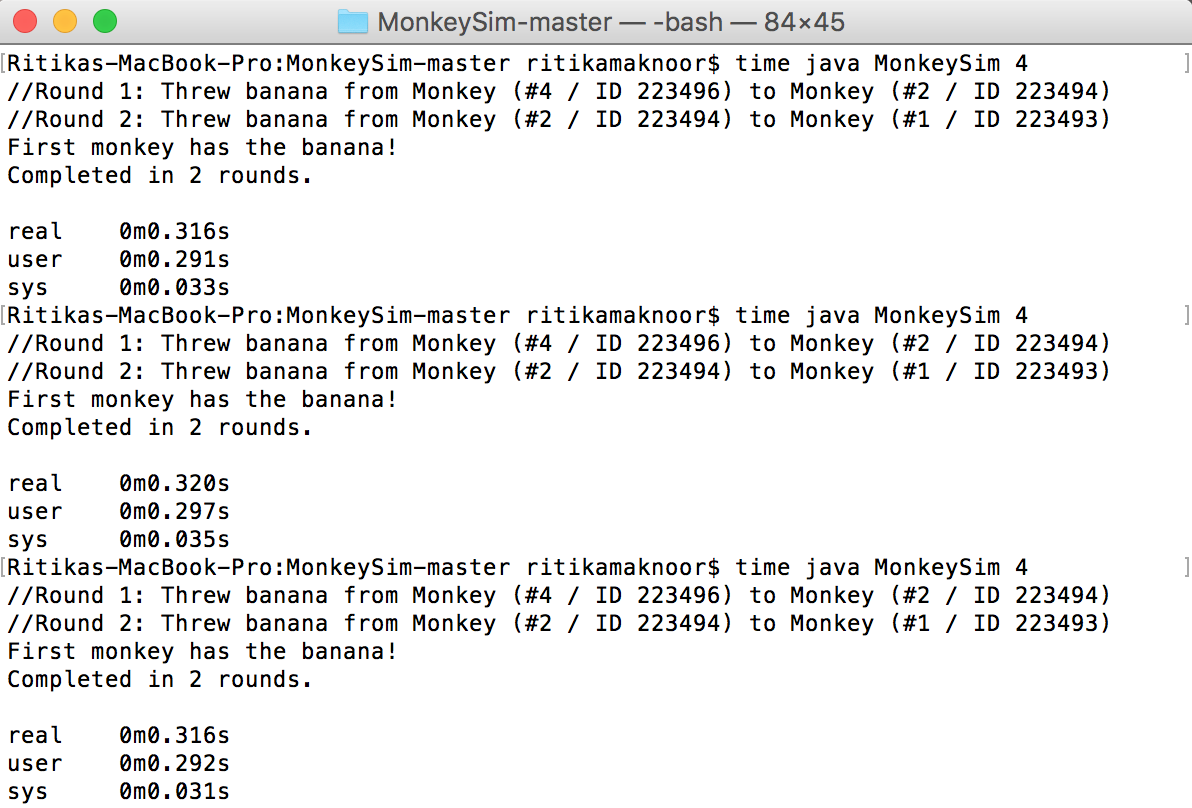


* Max amount of real time: 0m3.648s
* Mean time of real time: 0m3.340s

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**AFTER refactoring stringifyResults()**

**Initial monkey: 4**

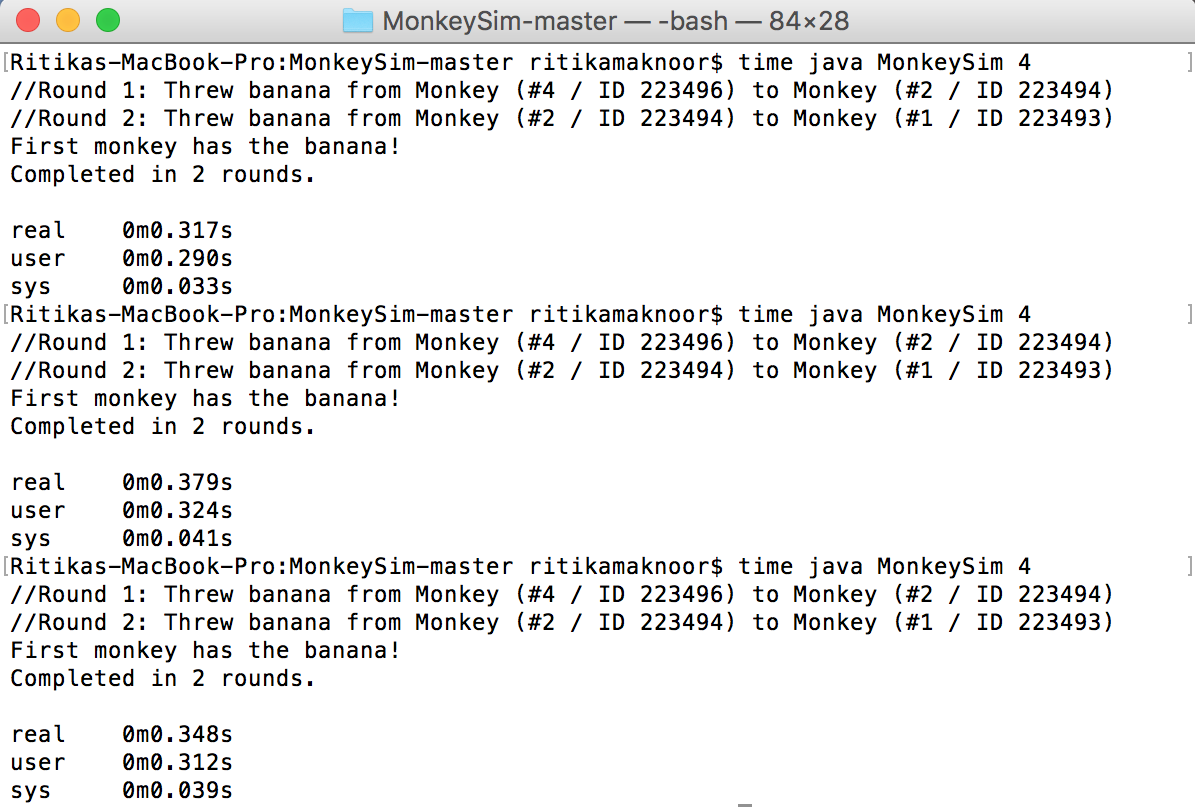


* Max amount of real time: 0m0.320s
* Mean time of real time: 0m0.317s

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**AFTER refactoring getFirstMonkey()**

**Initial monkey: 4**

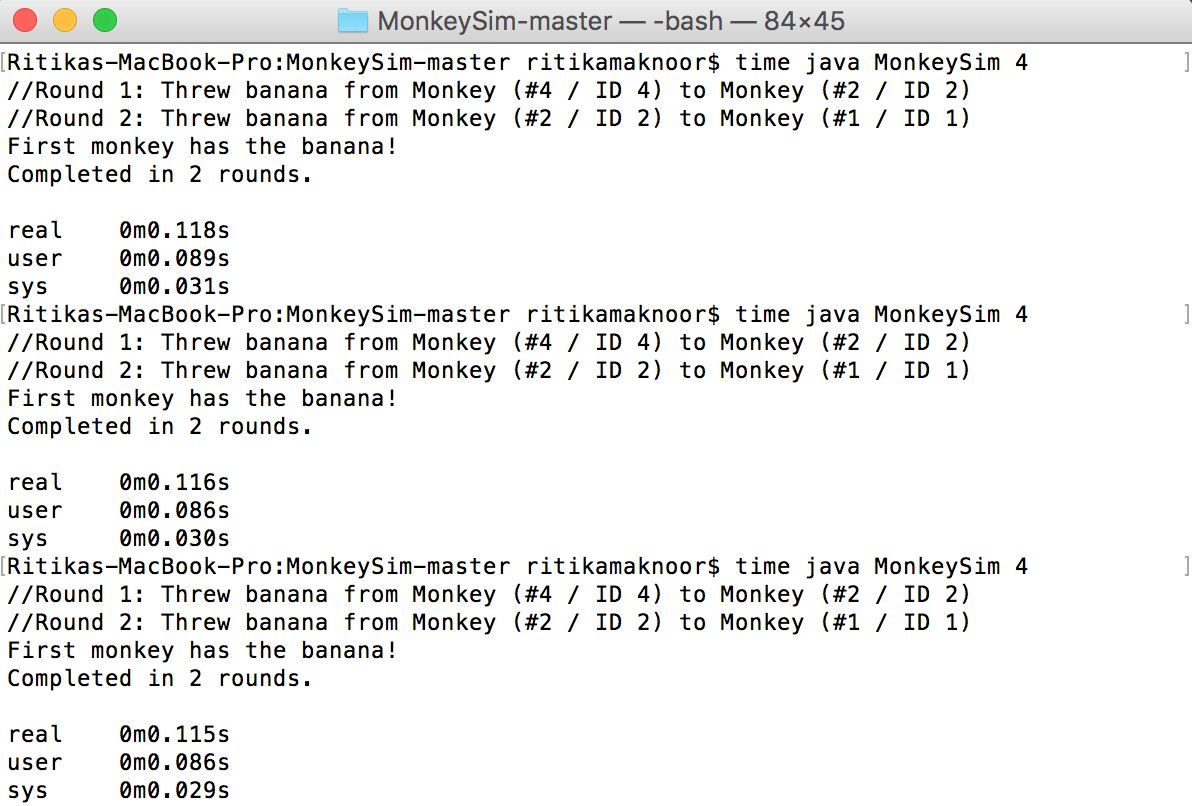


* Max amount of real time: 0m0.379s
* Mean time of real time: 0m0.348s

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**AFTER refactoring generateID()**

**Initial monkey: 4**

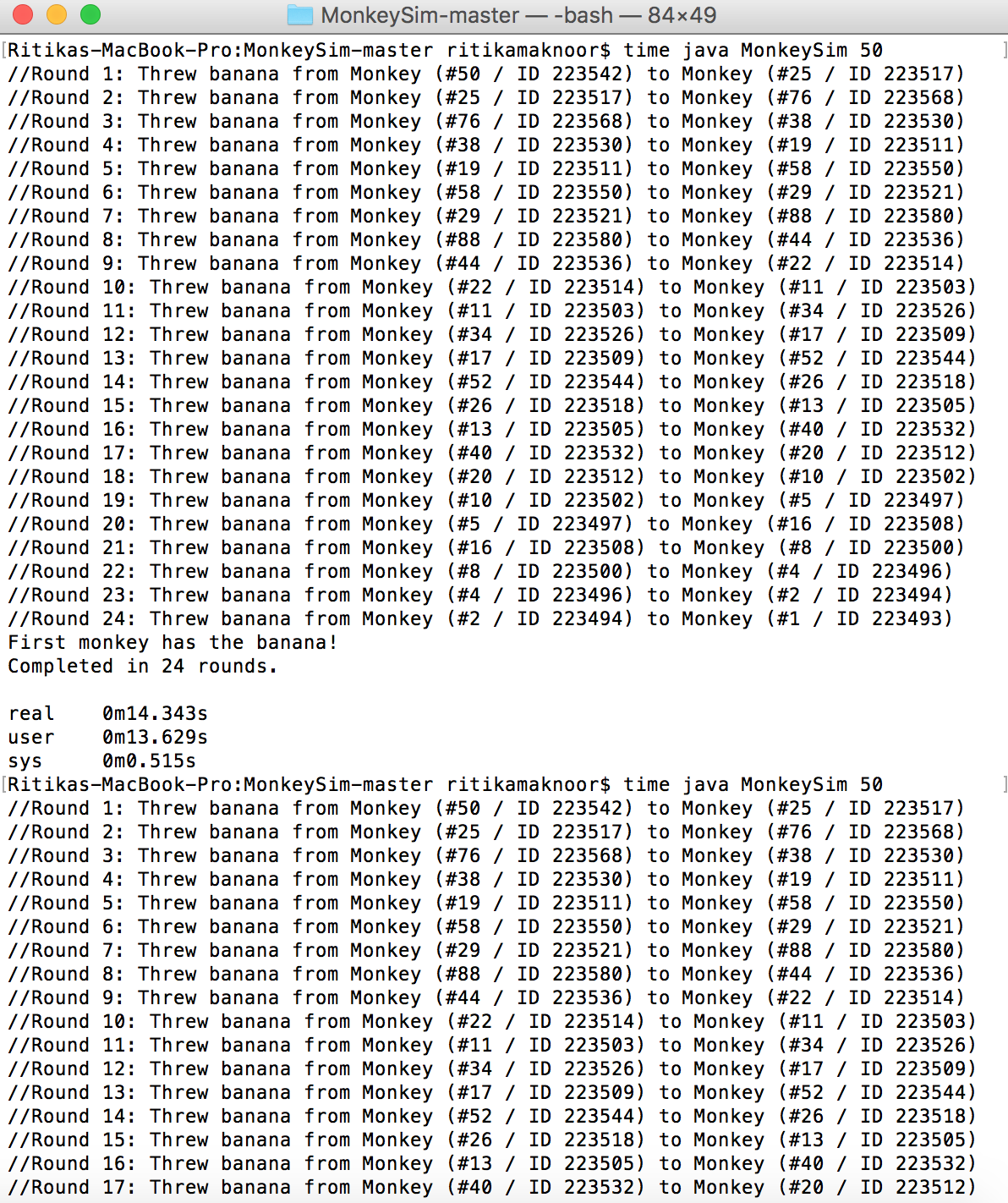


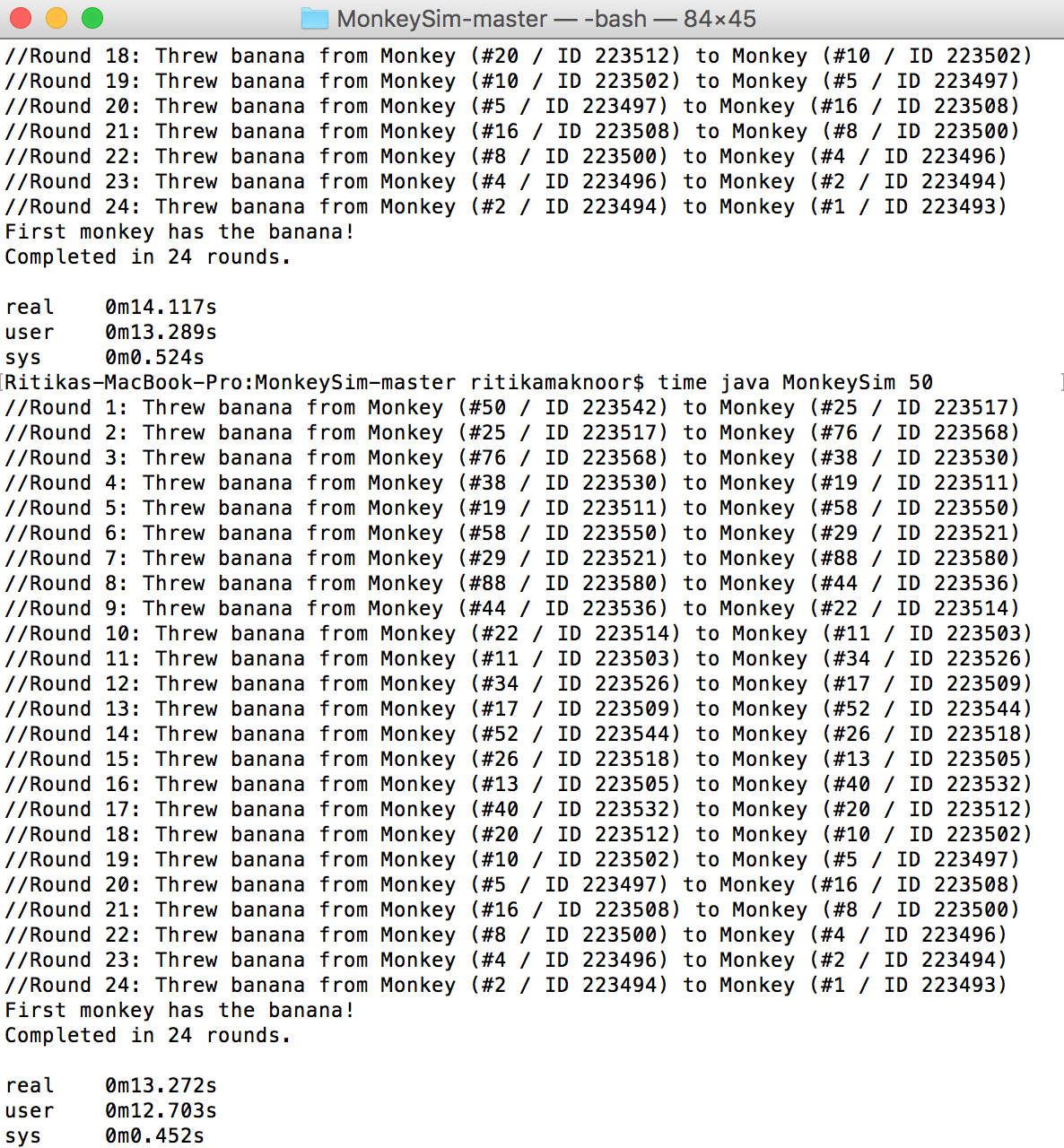
* Max amount of real time: 0m0.118s
* Mean time of real time: 0m0.116s

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**BEFORE any refactoring**

**Initial monkey: 50**



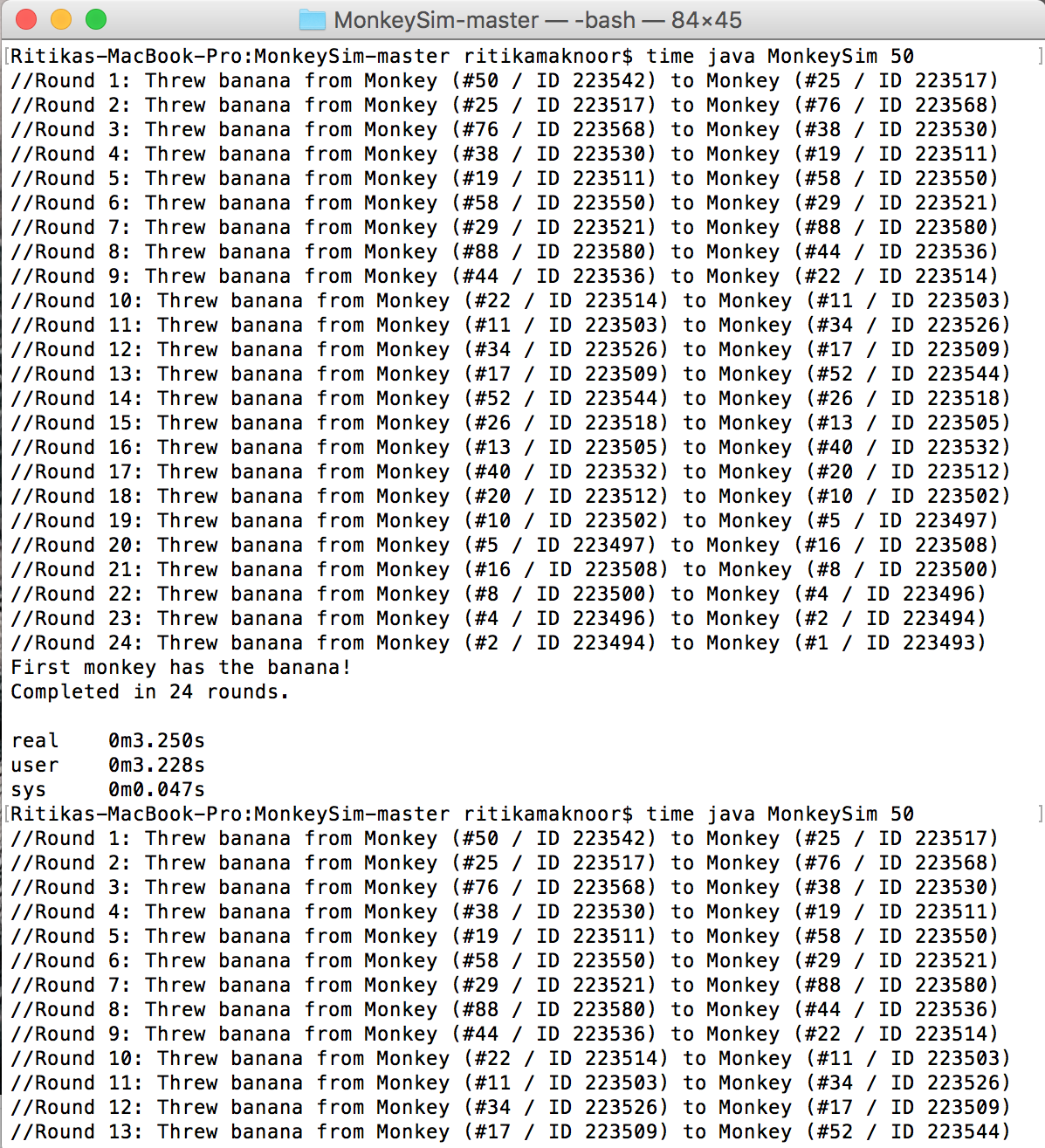


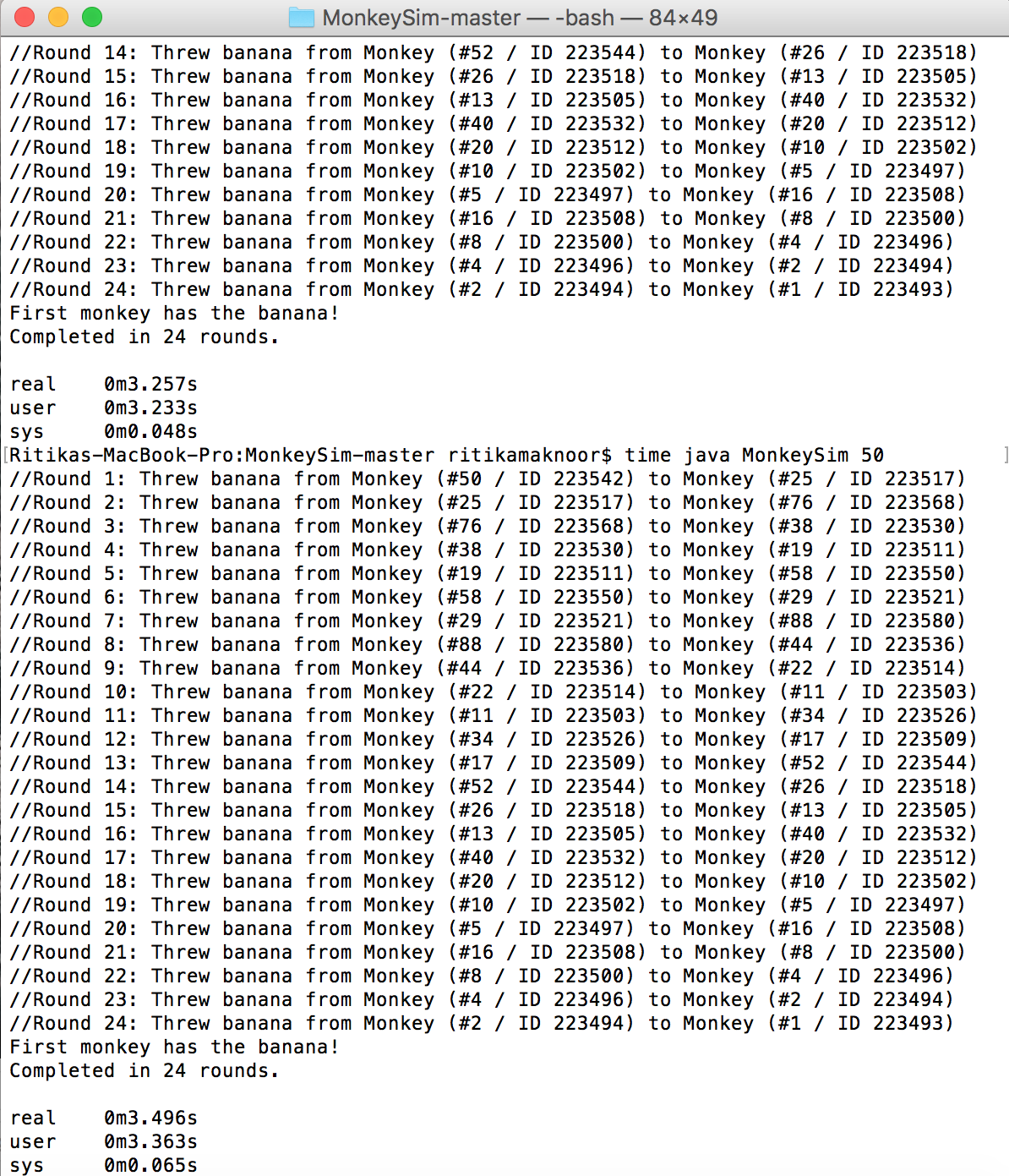
* Max amount of real time: 0m14.343s
* Mean time of real time: 0m13.910s

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**AFTER refactoring stringifyResults()**

**Initial monkey: 50**



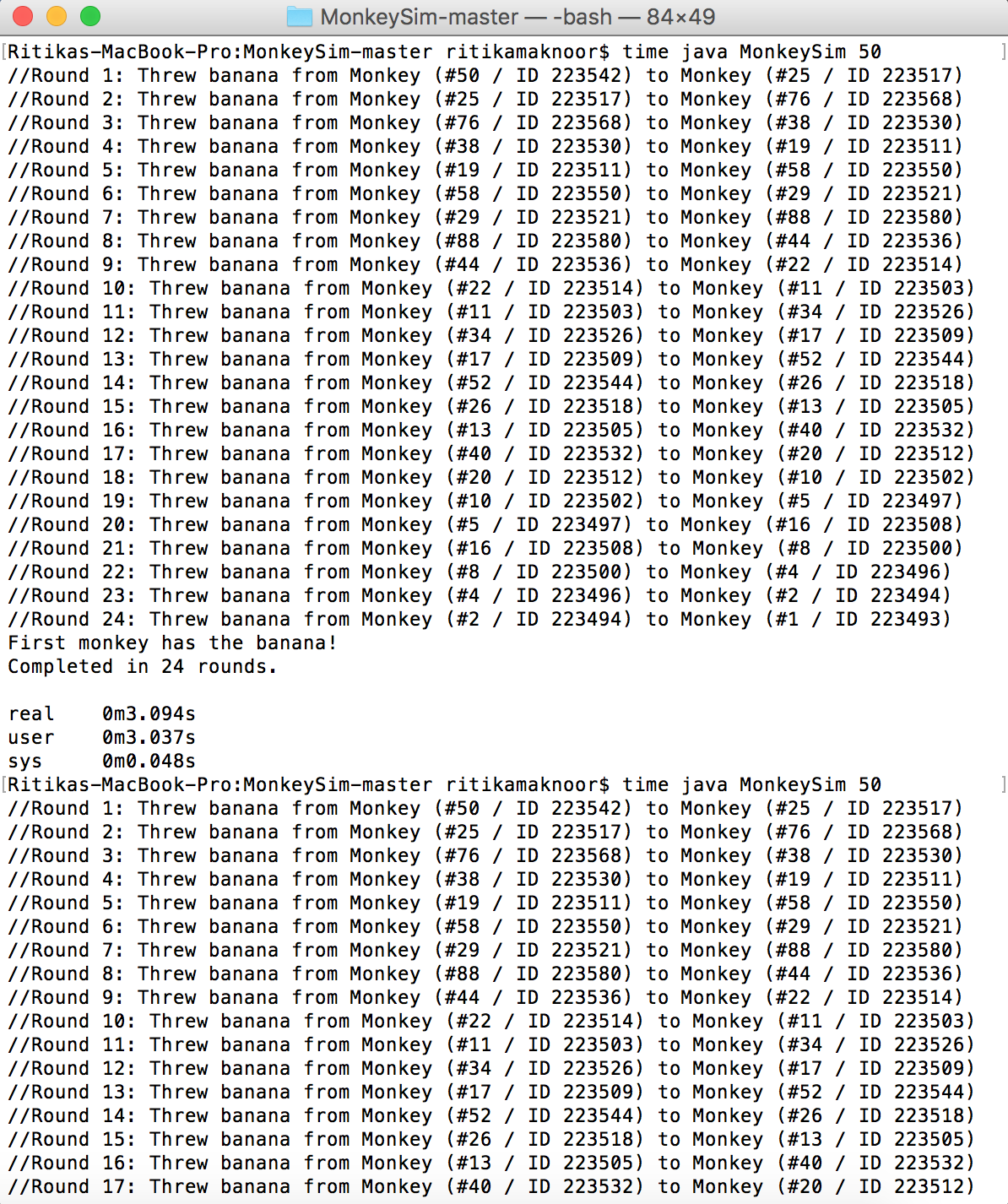


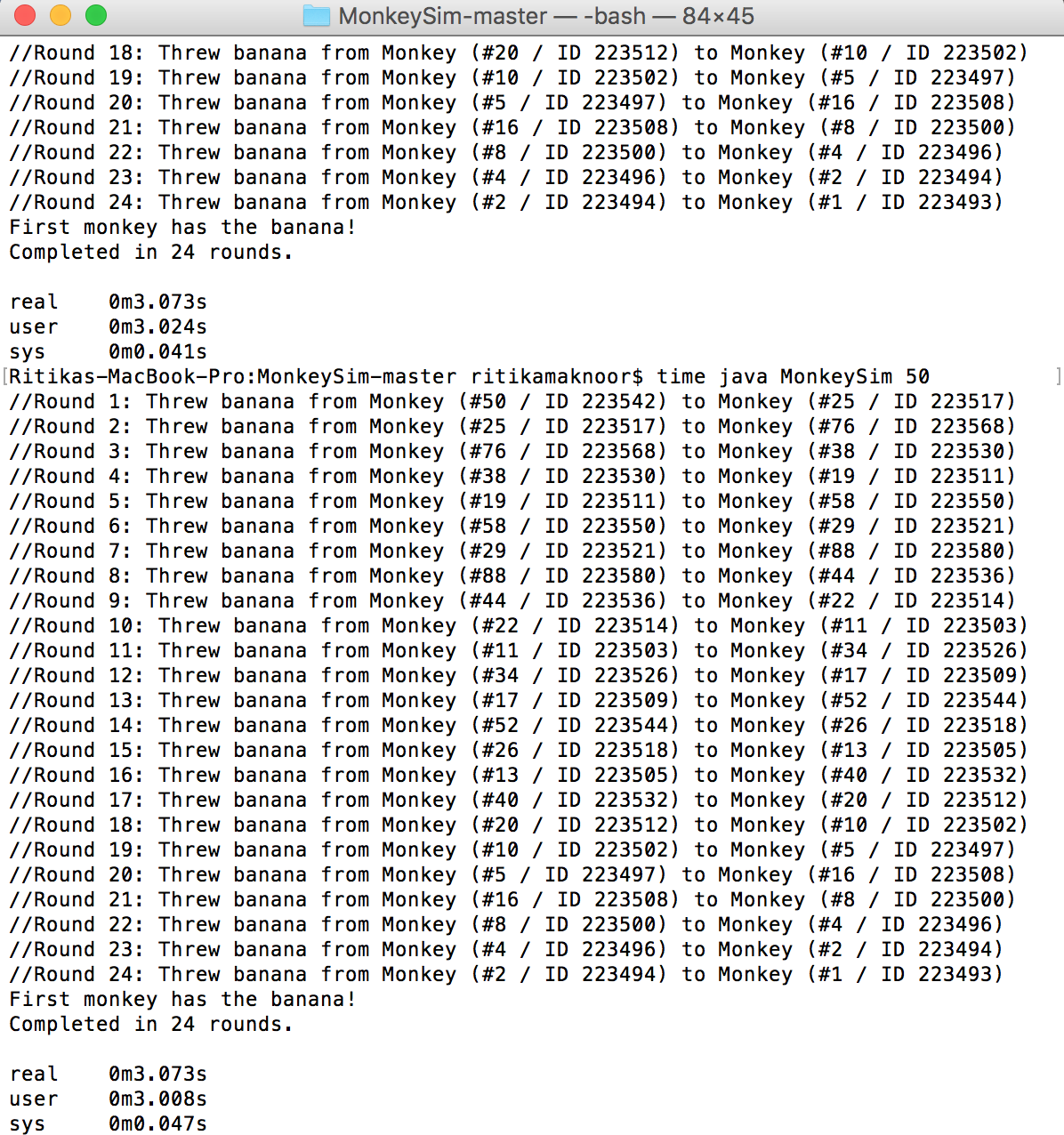
* Max amount of real time: 0m3.496s
* Mean time of real time: 0m3.334s

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**AFTER refactoring getFirstMonkey()**

**Initial monkey: 50**



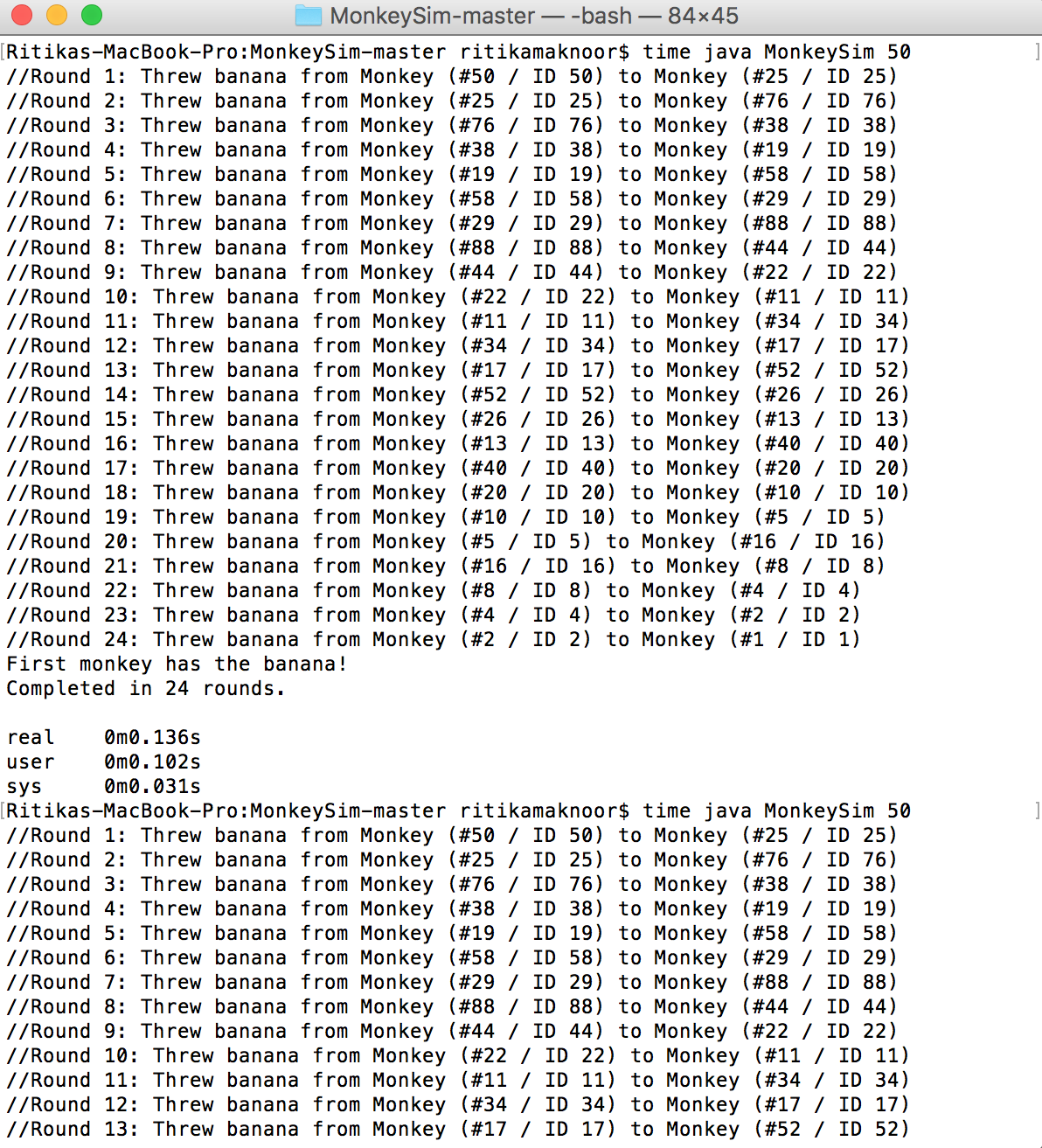


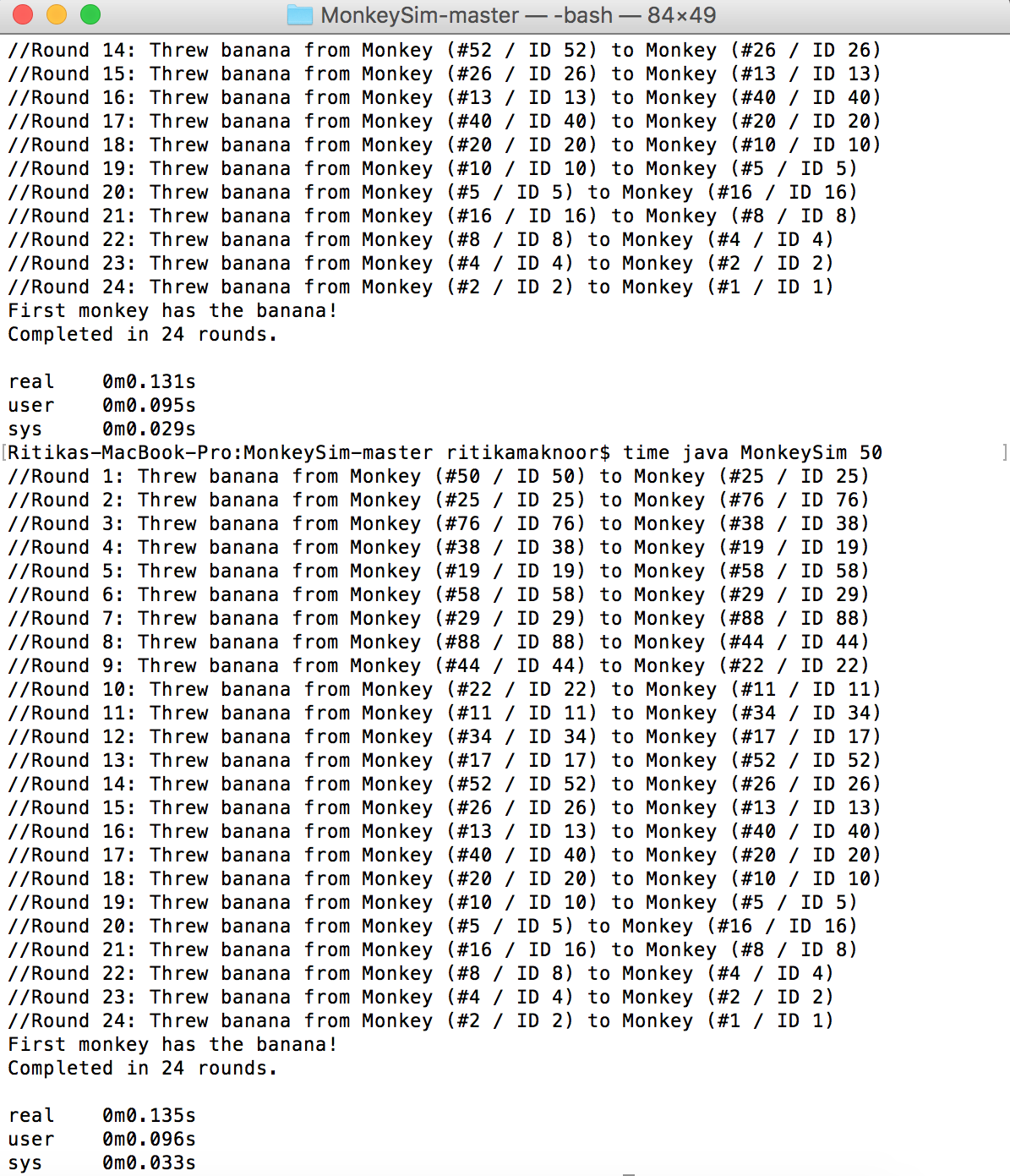
* Max amount of real time: 0m3.094s
* Mean time of real time: 0m3.080s

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**AFTER refactoring generateID()**

**Initial monkey: 50**





* Max amount of real time: 0m0.136s
* Mean time of real time: 0m0.134s

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