Simulation and System Dynamics / Practical Assignment  
Authors & student numbers

GENERAL INFORMATION: There is no pre-defined length for this report. Without taking into account the pictures and script appendix, a good report is likely to contain 2-3 pages of text.

# Solution Description

* In general level, what is the key idea behind the solution. Try to write short
* Provide a function block diagram of the modified model

## Detailed Algorithm Description

* Inputs and outputs
* How does the algorithm function? You can write this as a list: “1) Take xxx, 2) Get the values yyy, 3) …”)
* Add script(s) to appendix (erase repeated parts of the scripts if needed)

# Simulation Results

* Use 1 000 rounds as a default for reported results from Monte Carlo random simulation
* What is the result improvement compared to “base case” (= model “as is” originally)

# Sensitivity Analysis

* How sensitive the results are to changes in the initial assumptions (e.g. initial state of the system; assumptions of volatility / drift in geometric Brownian motion; width of probability distributions; etc.) = does the algorithm perform well even though the assumptions are changed?

# Conclusions and Discussion

* Key result(s)
* Insights from sensitivity analysis, if any
* How could you further improve the algorithm tested in this study?

**APPENDIX**

* Matlab-scripts. In case of multiple scripts, use numbering (1), (2), …