Problem 4: Literature

a. We have talked about a number of agent based approaches in the literature (e.g., SWARM, MASON, RePAST, SPADES, and some others) - reflecting on the concept of an "agent", what is an agent? Be sure to discuss both similarities and variations in the concept of an agent in the listed approaches.

b. Though question: What is different and similar about object orientation and agent orientation?

c. How does SASSY differ from SPADES?

d. According to the author of the JiST paper – (i) What are three important trade-offs in developing a simulation systems and, (ii) What are three standard approaches in developing a simulation platform?

e. How is risk defined by the finance industry?

f. What ratio is used to evaluate the performance of portfolio, describe how it works or what (notions) it encapsulates?