SOCIETY OF ACTUARIES

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TABLE 1	ORDERS OF COMPLEXITY IN MODELING
Level 1 - Two body problem Examples of satisfactory models include gravity, light through prism, two heat reservoirs, liver-pancreas, proton-electron.	
Level 2 - N-identical body with local interaction Examples of satisfactory models include Maxwell-Boltzmann's thermodynamics and the Ising model of ferromagnetism.	
Level 3 - N-identical body with long-range interaction.	

Level 4 - N-non-identical body with multi-interactions.
    Modeling markets.
    Modeling economic systems generally.
    General actuarial Modeling.	