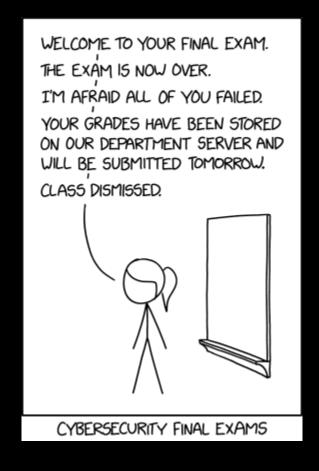# Computer modeling of physical phenomena

Example questions for the final exam (TS part)

➢ Shortly describe how ants choose their paths in ant trail formation model.

➢ Provide a formula linking the equilibrium distribution to density and velocity in our LBM algorithm.

➢ What is the dominant strategy for Player 1 in a Prisoner's Dilemma game with a given payoff matrix?

		Player 2	
		cooperate	defect
Player 1	cooperate	(3, 3) r, r reward	(0, 5) s, t sucker's payoff, temptation
	defect	(5, 0) t, s temptation, sucker's payoff	(1, 1) p, p punishment