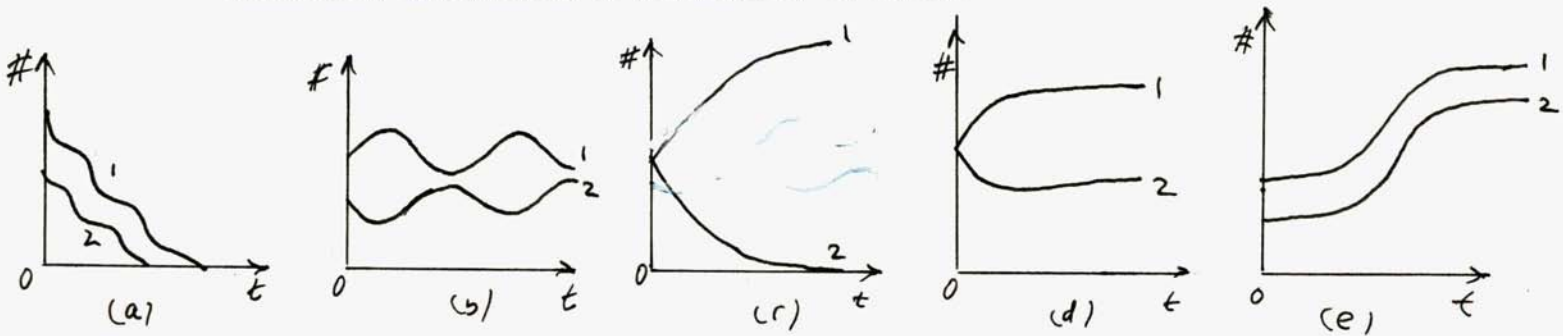


# PREDATION, COMPETITION & COOPERATION IN NATURE



- (a) Unchecked rivalry : the two rivals (predator & 2) end up by becoming extinct. Human analog: possible outcome of US-SU rivalry. (2)
- (b) Moderate predation: numbers of prey (1) and predator oscillate out of phase. Human analog: international banks-Third World countries.
- (c) Unchecked competition for the same ecological niche: 1 survives and overpopulates at the expense of 2, which becomes extinct. Human analog: man vs. <sup>tropical</sup> ~~rain~~ forest.
- (d) Checked competition without cooperation: 1 and 2 coexist but 1 does <sup>much</sup> better than 2. Human analog: the welfare state.
- (e) Cooperation combined with competition (which operates to prevent greedy over-consumption): 1 and 2 coexist and prosper. Human analog: the future just society.

and waste

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