

	money	rateOfMoney
start state	\$10 billion	\$50 million
any state	\$ 0	...

46 ECOMONIC

0.1 Formulate a mathematical model in the form of an initial-value problem that represents the "flow" of the new currency into circulation

flow = rate of in - rate of out

47* Tank of salt water

A Tank contains 1000 L of brine with 15 kg of dissolved salt. Pure water enters the tank at rate of 10 L / min. The solution is kept thoroughly mixed and drains from the tank at the same rate

a : How much salt is in the tank after t minutes ?

b : How much salt is in the tank after 20 minutes ?