76 Jan 2022 density - so density-dep. = (average) "intrinsic" rumber
= expected number of secondary cases caused by an infeded person over their infectious period, IN A COMPLETELY SUSCEPTIBLE POPULATION ~ current effective reproductive number \$ trains ~ host biology parasile biology ecology Societies behaviour behaviour host genetics per generation

epidemic die out parasife fait to establish P. = 0.9 which strain is evolutionarily sypenic. ~ highest Rowin. will epidemic spread? "how fast" (per generation)?

R DOESN'T distinguish between fast and slow
parasites ord has a GOVERATION TIME of 2 days and the other of 10 ·-determines final size. epidemic will die before everyone in the population gets included \* interesting



