MA391 Project HW WL

github.com / skchinn/ R code at: MA391 Homework Submission Problem 1

Part A) $\lambda = 3$ In 39 hours RED wins and has 2.2 W=. 25 remaining divisions.

Part B) DOWN

LU 4

W= 18.1...75 BEEDELECTED DESCRIPTION OF WILLIAM ST. WI विकास कर जिल्ला के जिल्ला के जिल्ला कर जिल्ला कर जिल्ला कर जिल्ला कर के जिल्ला कर के जिल्ला कर के जिल्ला कर के topological bootop cootops RED WINS IN 131 hours with 0.4 divisions remaining.

Part C) BLUE benefits from adverse weather. I would expect RED to attack on a sunny day.

Part D) woodstroom weapon superiority is not the most important factor to analyze in this situation. As we saw in Part C, RED and BLUE seem to be most greatly disciduantaged and advantaged, due to weather conditions.

Problem 2

Part A) In R Part B) If the commander holds out until the 2nd day, RED wins and has 2.9 remaining divisions. If the commander holds out until the 3rd day, it takes 26 hours but RED will still win with 2 u remaining divisions.

Part C) All forces on first day: "RED wins, 9 hours, 3.7 remaining divisions (This is the best -minimum loss of

sunano) manpower

Part D) 2 = 1.0 ... 6.0 Even when adjusting weapon superiority.

RED is projected to win cassuming they listen to part c and do not hold forces).

Problem 3

.7 RED .35 BLUE

part A) BLUE wins the battle after 9 hours with 0.9 remaining divisions. Blue benefits because they win, unlike Problem 2 Part D, where RED Was projected to Win.

Part B) RED wins in 16 hours and has 0.7 remaining divisions. BLUE benefits because they survive longer while having fewer cosualties. Part c) BLUE will win if they strike immediately. Otherwise they will continue to lose to per RED.

Part D) $\lambda = 1.0...6.0$ (ode in R