Reasult of model for network with 40 nodes unawere probability 0.0 and recover probability 0.0 Probability of being aware Derivation of being aware - 0.100 0.97 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0 0 - 1.050 - 0.075 0.97 0 0 0 0 0.97 0 - 1.025 0.97 0.97 0.97 0.97 0 0 0.97 0.97 0 0 0 0 0.050 0 0.97 0.97 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0.97 0.97 0 - 1.000 0 0.025 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0 0 0 lambda .6 0.5 0.4 o. - 0.975 0.97 0.97 0 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0.000 o. 9 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0 - 0.950 -0.025O 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0 0 0 - 0.925 -0.0500.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0 0 ∞ 0 0.97 0.97 0.97 0.97 0 0 0 - 0.900 0 0 0 0 0 0 -0.0750.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0.97 0 0 0 0 0 0 0 0 0 - 0.875 -0.1000.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 1.0 0.0 1.0 0.1 0.0 beta beta Average of aware prob by lambda Average of derivation of being aware by lambda 0 0 0.97 0.97 0.97 0.97 0.97 0 0 1.0 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 1.0 beta beta Probability of being infected Derivation of being infected 0.29 - 0.3 0.2 0.22 0.22 0.22 0.22 0.22 0.2 0.3 -0.3 0 0 0 0.2 0 0.0 - 0.28 0.2 0.25 0.27 0.27 0.27 0 0 0 0.2 0.2 0.22 0.25 ᅼ -0 0.2 0.3 0 0 0 - 0.2 o. 0.2 0.2 0.22 0.25 0.25 0.25 0.25 0.27 0.29 0.27 0.27 - 0.27 0 0.2 0.3 0 0 0 0.2 0.2 -0.2 0 0.2 0.25 0.27 0.27 0.29 0 0.2 m - 0.20.22 0.25 0.25 0.25 0.25 0 0.2 0.3 0 0 0.2 0 - 0.26 - 0.1 0.2 0.25 0.25 0.27 0.27 0.27 0.2 0 0.2 0 0.2 0.22 0.25 0.25 0.25 0 0.3 0 0 ambda - 0.25 o. 0.27 0.27 0.2 0.2 0.22 0.25 0.25 0.25 0.25 0.25 0.27 ٦ -0 0.2 0.3 0 0 0.2 0 0.0 0 0 - 0.24 0.2 0.25 0.27 0.29 0.2 0.2 0.22 0.25 0.25 0.25 0.25 0.27 0 0.2 0.3 0 0.2 9 0 - 0.23 -0.10.2 0.2 0.22 0.25 0.25 0.25 0.25 0.27 0.27 0.27 0.2 0.3 0 0 0.2 0 0 0 0 0.25 0.29 0.27 0 0.2 0.2 -0.2 0.2 0.2 0.22 0.25 0.25 0.25 0.25 0.27 0.2 0.3 0 0 0 - 0.22 - -0.2 0.2 0.22 0.25 0.25 0.25 0.25 0.27 0.27 0.27 0 0 0 0 0.2 0 0 0.2 0.25 0 0.2 0.3 - 0.21 Ö. 0 0.2 0 0 0.2 0.2 0.22 0.25 0.25 0.25 0.25 0.25 0.27 0.27 0.27 0.2 0.3 0 0 0 - 0.20 -0.30.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 1.0 beta beta Average of being infected prob by lambda Average of derivation of being infected by lambda 0.25 -0.0091 0.18 0.018 0.25 0.25 0.27 0.27 0.27 0.2 0.3 0 0 0 0 0.2 0.2 0.22 0.25 0.25 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 1.0 beta beta