N_{ed}=2, p_{ed}=0.25, N_{re}=4, S=10, p=2, c=0.1, N_c=100
d_{attract}=100, w_{attract}=0.01, $h_{\text{repellant}}$=0.4, $w_{\text{repellant}}$=0.01

$J^* =0.035$