T1 T2 E1 R1 R2 q1 q2

[70 250 70 250 25000 60000 0 4 0 4 0 1 0 1]

[76.8 160.33 46302 3.3 0.913 0.7 0.36]

[225.37 75.1 43338 3.869 1.019 0.8548 0.4919]

[80.042 240.013 31634 0.6255 0.0344 0.0441 0.01877]