N=2	Energy = 7.94301e-13
N=3	Energy = 5.29111e-14
N=4	Energy = 4.79043e-12
N=5	Energy = 5.55916e-13
N=6	Energy = 1.12327e-11
N=7	Energy = 4.02485e-12

Graph of Energy (in 1 time period) vs N
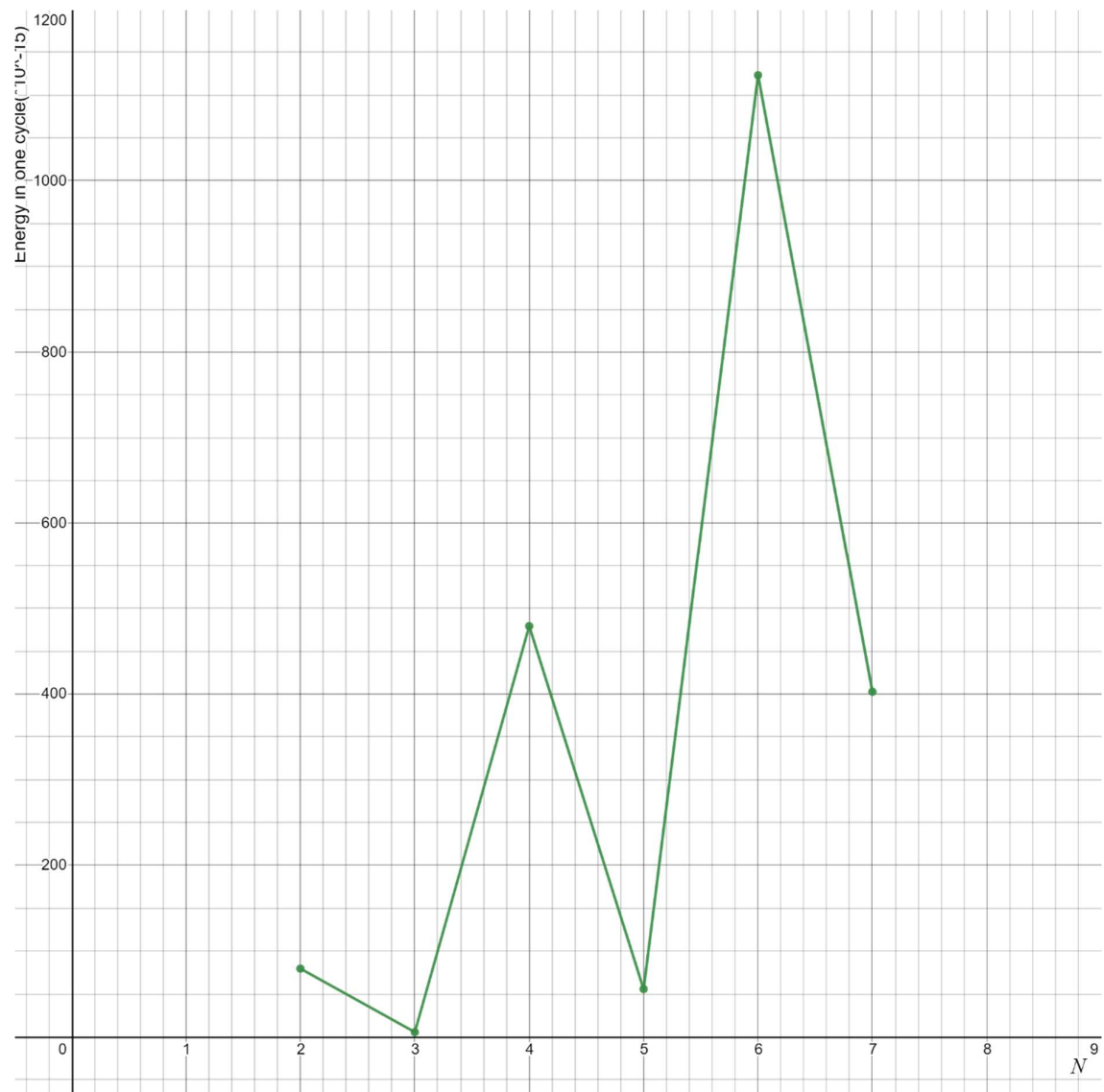
We can see from the graph and table that at N=3 the chain of inverters.