**Conclusion**

ROCKET game is one of the most popular arcade games of all time. In this game, the main objective of the player is to catch the maximum number of star without hitting the stones. The Hamiltonian cycle works only when the initial positions of the ROCKET’s head and bodies are similar to the situation when the point 0, 1 and 2 (considering the initial head of the ROCKET and bodies are 2, 1, 0 respectively). Then make the point 1 to be unreachable and generate the longest path from 2 to point 0. Finally, we join the starting point 2 and the ending point 0, which forms a Hamiltonian cycle. As it turns out, though, you can in fact finish the game, as evidenced by a GIF that appeared on a Russian forum on Monday. The GIF has been significantly sped up (you can watch it in real time if you can be bothered) cut down from 13 minutes and 17 seconds to 2 minutes and 6 seconds.