
Algorithm 2 N-BODY

Input: n : number of system advances;

- 1: initialize a planet system;
 - 2: compute the energy of the system;
 - 3: **for** each $i \in [1, n]$ **do**
 - 4: advance the system, and compute the energy;
 - 5: **end for**
 - 6: compute the energy;
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