I'm not a robot



Amc 8 past tests

Posted on 2017-09-26 | 3 Comments This entry was posted in Math Competitions. Bookmark the permalink. When a positive integer NNN is fed into a machine, the output is a number calculated according to the rule shown below.Ni-{N2,N} is even3N+1,N is odd N\mapsto \begin{cases}\dfrac N2, \text{\$N\$ is even} \\ 3N+1, \text{\$N\$ is odd}\end{cases}\ N\ldots\{\frac{1}{2}}\ \text{N} is even3N+1,N is oddFor example, starting with an input of N=7,N=7,N=7, the machine will output 3·7+1=22.3 \cdot 7+1=22.3 \cd