The hungry Animal

The generic animal has **730** generic fruit. Every night the animal keeps a fraction of the fruit, then throws away the rest. Finally the animal eats one of the fruit. What order did the animal keep these fractions of the fruits such that they were left with exactly one generic fruit after 10 nights.

$$\frac{1}{2}, \quad \frac{1}{4}, \quad \frac{3}{4}, \quad \frac{3}{5}, \quad \frac{5}{6},$$

$$\frac{2}{7}, \quad \frac{3}{7}, \quad \frac{9}{10}, \quad \frac{11}{15}, \quad \frac{39}{41}$$

If no one solves the problem, the person with the longest chain with only positive integer number of fruit left after each night wins.

In case of tie, winner chosen randomly.

Make sure you include your name.

Answer here: