

Foxes and chicken

An island is filled with apple trees and other plants. The only inhabitants are 160 foxes and 1 chicken.

The foxes are smart, logical, and completely aware of their surroundings. They have two food options: apples and chicken.

Foxes are happy to eat apples to survive but would rather eat chicken.

If a fox eats a chicken, *it turns into a chicken*, and could then be eaten by other foxes.

A fox prefers to eat apples forever than be eaten by another fox (if it turned into a chicken).

Assume that there is never an issue with who gets to a chicken first, because the fox that is closest would eat it, if it decided to do so. Also, a chicken cannot escape if a fox decides to eat it.

Question: **Will that one chicken on the island be eaten or not and why?**