287. Find the Duplicate Number

1 3 4 2 2

Pigeonhole principle $|A| = n + 1$, $n \in [1..n]$

At least 2 of these numbers are the same.

Model it as a LL problem

nums[0] = starting node of the linked l.

[1..n] are possible nodes that represent nums[i]

The value of nums[i] = node it points to

0 1 2 3 4

3 1 3 4 2