General(Data Structures)

Cycle Detection:

- Tortoise and hare
  - tortoise pointer moves 1 at each step
  - hare moves 2 at each step
  - if they ever meet their is a cycle
  - you can also use this algorithm (with more steps) to find start of cycle and the length of the cycle
- Applicable data structures
  - Linked List
  - Graph

General Common Issues:

- Space vs Indexing speed vs Sorting speed

sources:

- https://en.wikipedia.org/wiki/Cycle_detection