

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