Add Two Nembers (Lentred List)

Thorng the Add Tres Neumbers (Finked Teit) preliem - a common and fundamental problem involving lined list manipelation and diget wise addition.

Each linked list mode regresents a dégét: Digêts are in severse dole, so the first mode is the least | Key Concept: rignificant digit. You need to sumulate element - wix addition, just like how you'd add numbers manually - keeping track of the carry.

Strategy: 1. Exacte a dermmy mode to build the result lest.

- I Use a pointer cuss to track the cussent mode in the sesult
- 3. We a variable carry = a to hold the carry from each addition.
- 4. Viaverie both list until both are exourted and corry iso:
 - Entrect oliget from le (if exists), else o
 - Extract digit from br (if exists) else
 - Compute: sum=vol1+vol1+cassy Corry = sum /10

diget = sum / 10

- · Create a new mode with oliget, attack to result.
- Advance I, le and cur.

[Vime Complexity: [-O (max (m v1), when m and a outhe lesights of the inject

Example: 1 tall-(1,4,3) and h=(5,64): 342+465=807- setern [7,0,8]