Add Two Numbers (Lentred List)

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

T'Each lenked list mode represents a dégét: Digêts are in severe dole, so the first voole is the least | Key Concept: rignificant digit. You need to sumulate element - wix addition, just like how you'd add numbers manually - haping track of the carry.

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

- I Use a pointer curs to track the cursent mode in the sesult
- 3. Us a variable carry = 0 to hold the carry from each addition.
- 4. Viaverie both list until both are exacuted and corry iso:
 - Entrect oliget from le (if exists), else o
 - Extract diget from br (if exists) else
 - Compute sum=vol1+vol1+cassy Cotype = sum /10

diget = sum / 10

· Create a new mode with oliget, attack to result.

- Aglvance I, le and cur.

[Vine Complexity: [- O (max (m 1)), when m and a authe length of the inject

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