DAY-38 Finding interpolation point of above diagram shows an enough with two linked list having '& as interasection point -> find lengths of both no linked wist: \$180'2 -> Calculate difference abs (c1-cz longer list 'd' steps forward -> Now, traveler both lists comparing modes until we find of lists.

I maple mentation: defintersect (head 1, head 2): list Induode - None List I lought = get longter (read) listanodo = None dist a length = get length (head 2) polongth - Lift = 0 if hist 1 ength-diff = ab3 (1ist length -1 ists length) if listI length >= list2 length: listI node = head 1, list2 node = load 2 else! listinade = head2, list 2 node = head 1 While length duff > 0: 1.5+ Inode - histinode vent lengta duft-:)
while list mode! - None! if listinades - list 2 node return listinade hat I nade - list I nade, nent list 2 mode = list 2 no die nent retarn None Time complexity: Linear, O (mpn)

Em=len1, n=len2) Memory Complenity. Constant O(1)