Tongest common prefixe To find the longest common prefix among a lest of strings, have's a structured approvach with detailed quickance: Thategy: Vertecal Tearning (character by character): Idea 1 1 Pick the first string as a seference. 2. For each character position i in the reference string: Compare it with the character at position i in all other I any string is too short, or a character doesn't match, stop 3. Petersu the profess built so fas. Example: For ["flower", flow " of flight"] · compare for index oin all - 1 compare l'at moles 1 - V compare l'at moles 1 - V compare l'at moles 1 - V Reteau "fla Jedge Ecses: | - ousty ingest - return "" only one string - return it - MI common prefere at all - return "c Pseudocade Outline: if star is empty: prefés z strs Co? for each string in stes [1:]: lestile current string doen to start with prefix: remove last char from prefixe

if prefix becomes empty:
if prefix becomes empty: neturn prefuix
return prefus
This method avoids full character-by-character compasison and uses the "start With "logic efficiently.
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