| Implement stitle() |
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| Approach 1: Brute Force (O(10 m)): |
| Iterate through haystack (length is) |
| Thereto through haysteck (length 11) 'For each position i, check if substring haystack [i:i+m] equal, needle. |
| Return i if found; else seturn -1 |
| |
| Approach 2: KMP Algorithm (O(n+m)): |
| - Preprocess needle to erax LPS array (Longest Prefer Terflix) |
| -Preprocess recelle to erax LPS array (Longest Prefer Terffix). · Use it to ship unrecessary comparisons when seasching in hay stack. · Efficient for large injects. |
| - Efficient 191 large injuty. |
| |
| Ostinuzed Approach (KMP): |
| Optimized Approach (LMP): -Grimal O(urm) solution: |
| · Beuld LPS ort ay for needle. |
| Use it to avoid reclucking characters. |
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