| Seclose! | quence |
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| 4        | )      |

Approach 1: Two Printers (Timple)

- Iterate through t while checking characters of S in order.

- Increment printer on S when a matching character is found. Algorithm: 1. Insticlise i=0 (for s) and j=0 (for t)

2. While j=t. length();

3. S[i] == t[j], increment i. - Increment j. 3. If i==s. length(), seturn true, else folx. (Complexity! · Trine: O(tt/)-single pass through t · space: O(1) Follow-Up: Many Queries (S1, Sr, \_., Sk): ]
If we have many s genries and a fixedt: · Preprocess to · Itore positions of each character (a-Z) in arrays. - Hor each squery; · Une formany wasch to find next veliel position in to foreach character of S. · Complicity per query: O(151, log 1+1), preprocessing O(1+1).