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**Algorithm 1:** SubSeq(A, B)

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```
m = |A|, n = |B|;  
 $i_b = -1$ ;  
for  $i=0$  to  $n-1$  do  
    for  $j=i_b+1$  to  $m-1$  do  
        if  $a_j = b_i$  then  
             $i_b = j$ ;  
            break;  
        end  
    end  
    return false;  
end  
return true;
```

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