

Algorithm 1: *unidir-search*(suffix-interval $q = [i..j]$, pattern P , position k)

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1 if  $k = |P|$  then  
2   | report match at positions  $\text{suf}_F[i], \dots, \text{suf}_F[j]$   
3   | return  
4 else  
5   | foreach  $q'$  such that  $d \in \varphi(P[k])$  and  $\delta_F((k+1) - [i..j]) = \delta_F(k - [i..j])d$  do  
6   |   | unidir-search( $q', P, k+1$ )  
7   | end  
8 end
```