

Internship report

Tamar Huygen
tamar@huygen.nl

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0.1 Stable compound generatior

Algorithm 1 Stable compound generator

```
1: procedure MYPROCEDURE
2:    $stringlen \leftarrow \text{length of } string$ 
3:    $i \leftarrow patlen$ 
4:   top:
5:   if  $i > stringlen$  then return false
6:    $j \leftarrow patlen$ 
7:   loop:
8:   if  $string(i) = path(j)$  then
9:      $j \leftarrow j - 1.$ 
10:     $i \leftarrow i - 1.$ 
11:    goto loop.
12:    close;
13:    $i \leftarrow i + \max(delta_1(string(i)), delta_2(j)).$ 
14:   goto top.
```
