

Untitled

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Let $t = \text{abbaba}$ and $s = \text{ab}$.

We have

i	t_i	MS	ms	runs
0	a	2	2 001	NaN
1	b	1	0 1	1
2	b	1	1 01	0
3	a	2	2 001	0
4	b	1	0 1	1
5	a	1	1 01	0

and

i	SA_s	BWT_s
0	2 #	b
1	0 ab#	#
2	1 b#	a

Algorithm:

```
k = 5
w = a, cw = ba --> none, runs[5] = 0, parent(a) = e, w <- be
c = b

k = 4
w = b, cw = ab --> (1, 1), runs[4] = 1
c = a

k = 3
w = ab, cw = bab --> none, runs[3] = 0, parent(ab) = e, w <- be
c = b

k = 2
w = b, cw = bb --> none, runs[2] = 0, parent(b) = e, w <- be
c = b

k = 1
w = b, cw = ab --> (1, 1), runs[1] = 1
c = a
```

Scratch notes

