

Counting via Suffix Arrays

$s = \text{cattcat\$}$

8	\$
6	at\$
2	attcat\$
5	cat\$
1	cattcat\$
7	t\$
4	tcat\$
3	ttcat\$

- How many times does “at” occur in the string?
- All the suffixes that start with “at” will be next to each other in the array.
- Find one suffix that starts with “at” (using binary search).
- Then count the neighboring sequences that start with at.