

:	:	2022-08-01
:	:	
:	:	0%
:	:	0.00
:	:	0.00

#1 - 2022-08-01 22:24 -

- () [] [] () .

#2 - 2022-08-02 09:49 -

- clipboard-202208020942-tn0rg.png (가) 가 .
- clipboard-202208020943-2ylsx.png (가) 가 .
- clipboard-202208020943-eealz.png (가) 가 .

(KTO)

1.

(1)

	Nori	Open-Korean-Text	Mecab	Kkma
	- Mecab -	- -	- - ,	- kkma Java jar -
	Apache 2.0	Apache 2.0	GPL 2.0	GPL 2.0
	Java, python(pynori)	Java, Python, Ruby	C+ +, Java, Python, Ruby	Java, Python
	O	O	O	O

2.

(1) 1

Kkma
[(' ', 'VV'), (' ', 'ECD'), (' ', 'UN'), (' ', 'JKG'), (' ', 'NNG'), (' ', 'JX'), (' ', 'NNG'), (' ', 'JKG'), (' ', 'VA'), ('L', 'ETD'), (' ', 'NNG'), (' ', 'NNG'), (' ', 'VCP'), (' ', 'EFN'), ('.', 'SF ')]
Time: 0.07858920097351074

Okt
[(' ', 'Noun'), (' ', 'Josa'), (' ', 'Noun'), (' ', 'Josa'), (' ', 'Verb'), (' ', 'Noun'), (' ', 'Josa'), (' ', 'Adjective'), (' ', 'Noun'), (' ', 'Exclamation'), (' ', 'Noun'), (' ', 'Josa'), ('.', 'Punctuation ')]
Time: 0.028228044509887695

[(' ', 'NP'), (' ', 'JX'), (' ', 'NNP'), (' ', 'JKG'), (' ', 'NNG'), (' ', 'JX'), (' ', 'NNP'), (' ', 'JKG'), (' ', 'VA+ETM'), (' ', 'NNG'), (' ', 'NNG'), (' ', 'VCP+EF'), (',', 'SF')]

['NNG', 'JX', 'NNP', 'JKG', 'VA', 'ETM', 'NNG', 'NNG', 'VCP', 'EF'] Time: 0.017527341842651367

- 1 ' , ' 가
- ' ' Nori 가
- ' ' Okt 가 ' , ' +
- 1 Kkma Mecab 가

2017	3	163	(2019.11)
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Kkma(['(2017', 'NR'), (' ', 'NNM'), ('3', 'NR'), (' ', 'NNM'), (' ', 'NNG'), (' ', 'XSV'), ('L', 'ETD'), (' ', 'NNG'), ('163', 'NR'), (' ', 'NR'), (' ', 'NNM'), (' ', 'JKS'), ('가', 'VV'), ('\u2013', 'ETD'), (' ', 'NNG'), (' ', 'NNG'), ('(', 'SS'), ('2019.11', 'NR'), (' ', 'NNM'), (' ', 'NNG'), (')', 'SS'), (' ', 'NNG'), (' ', 'VCP'), ('L', 'ETD'), (' ', 'NNG'), (' ', 'JKO'), (' ', 'VV'), (' ', 'ECE'), (' ', 'VXV'), (' ', 'EFN'), ('.', 'SF')])

```
[('2017', 'Number'), ('3', 'Number'), ('', 'Noun'), ('', 'Josa'), ('', 'Noun'), ('163', 'Number'), ('', 'Noun'), ('', 'Josa'), ('', 'Verb'), ('', 'Noun'), ('', 'Josa'), ('(', 'Punctuation'), ('2019.11', 'Number'), ('', 'Noun'), ('', 'Punctuation'), ('', 'Noun'), ('', 'Suffix'), ('', 'Josa'), ('', 'Noun'), ('', 'Josa'), ('', 'Verb'), ('', 'Adjective'), (',', 'Punctuation')]]
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[('2017', 'SN'), (' ', 'NNBC'), ('3', 'SN'), (' ', 'NNBC'), (' ', 'NNG'), (' ', 'XSA+ETM'), (' ', 'NNG'), ('163', 'SN'), (' ', 'NR'), (' ', 'NNBC'), (' ', 'JKS'), (' ', 'VV+ETM'), (' ', 'NNG'), (' ', 'JKB'), ('(', 'SSO'), ('2019', 'SN'), ('.', 'SY'), ('11', 'SN'), (' ', 'NNBC'), (' ', 'NNG'), (')', 'SSC'), (' ', 'NNG'), (' ', 'XSN'), (' ', 'VCP+ETM'), (' ', 'NNG'), (' ', 'JKO'), (' ', 'VV'), (' ', 'EC'), (' ', 'VX'), (' ', 'EF'), ('.', 'SF ')]

['2017', ',', ',','3', ',', ', ','L', ',', ', ','163', ',', ', ','가', ', '\u219e', ',', ', ',',', '2019', '11', ',', ', ',',',
['SN', 'NNBC', 'SN', 'NNBC', 'NNG', 'XSA', 'ETM', 'NNG', 'SN',
'NR', 'NNBC', 'JKS', 'VV', 'ETM', 'NNG', 'JKB', 'SN', 'SN', 'NNBC', 'NNG', 'NNG', 'XSN', 'VCP', 'ETM', 'NNG', 'JKO
, 'VV', 'EC', 'VX', 'EF']

- 2017 3월, '163' 가
- 2017 Okt 가가

170m. 3m

[(' ', 'NNG'), (' ', 'NNG'), (' ', 'JX'), (' ', 'NP'), (' ', 'JX'), (' ', 'NNG'), ('.', 'SF'), (' ', 'MAG'), ('17', 'NR'), ('m', 'OL'), ('.', 'SP'), (' ', 'NNG'), ('3', 'NR'), ('m', 'OL'), (' ', 'NNG'), (' ', 'JKG'), (' ', 'NNG'), (' ', 'NNG'), (' ', 'VCP'), (' ', 'EFN'), ('.', 'SF ')]

```
[(' ', 'Noun'), (' ', 'Noun'), (' ', 'Josa'), (' ', 'Noun'), (',', 'Punctuation'), (' ', 'Noun'), ('170', 'Number'), ('m', 'Alpha'), (',', 'Punctuation'), (' ', 'Noun'), ('3', 'Number'), ('m', 'Alpha'), (' ', 'Noun'), (' ', 'Josa'), (' ', 'Noun'), (' ', 'Noun'), (' ', 'Josa'), (',', 'Punctuation')]
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[((' ', 'NNG'), (' ', 'NNG'), (' ', 'JX'), (' ', 'NP'), (' ', 'JX'), (' ', 'NNG'), (',', 'SY'), (' ', 'NNG'), (' ', 'JKS'), ('170', 'SN'), ('m', 'SL'), (',', 'SC'), (' ', 'NNG'), ('3', 'SN'), ('m', 'SL'), (' ', 'NNG'), (' ', 'JKG'), (' ', 'NNG'), (' ', 'NNG'), (' ', 'VCP'), (' ', 'EF'), (',', 'SF')]]

['NNG', 'JX', 'NP', 'JX', 'NNG', 'NNG', 'NNG', 'JKS', 'SN', 'SL', 'NNG', 'SN', 'SL', 'NNG', 'JKG', 'NNG', 'NNG', 'VC', '170', 'm', '3', 'm', '']

P', 'EF ']
Time: 0.03225231170654297

- 3 ' , '170m', '3m'가
- '170m', '3m ' 가 m
- ' , 가 Okt

(4)
i love you

Kkma
[('i', 'OL'), ('love', 'OL'), ('you', 'OL ')]

Okt
[('i', 'Alpha'), ('love', 'Alpha'), ('you', 'Alpha ')]

Mecab
[('i', 'SL'), ('love', 'SL'), ('you', 'SL ')]

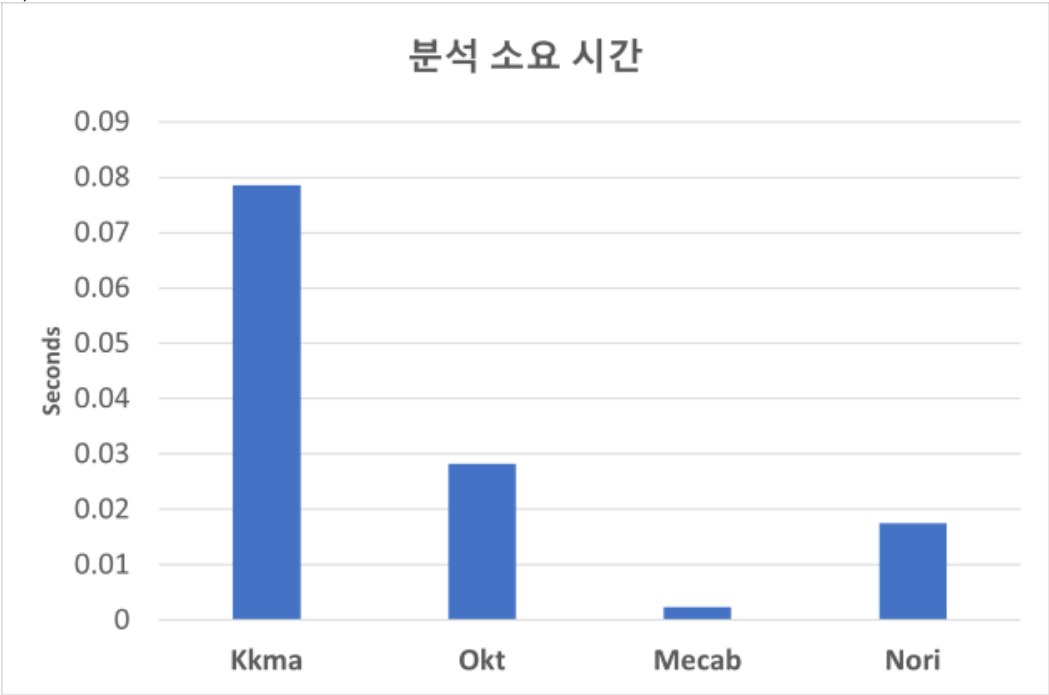
Nori
['i', 'love', 'you '] ['SL', 'SL', 'SL']

-
-

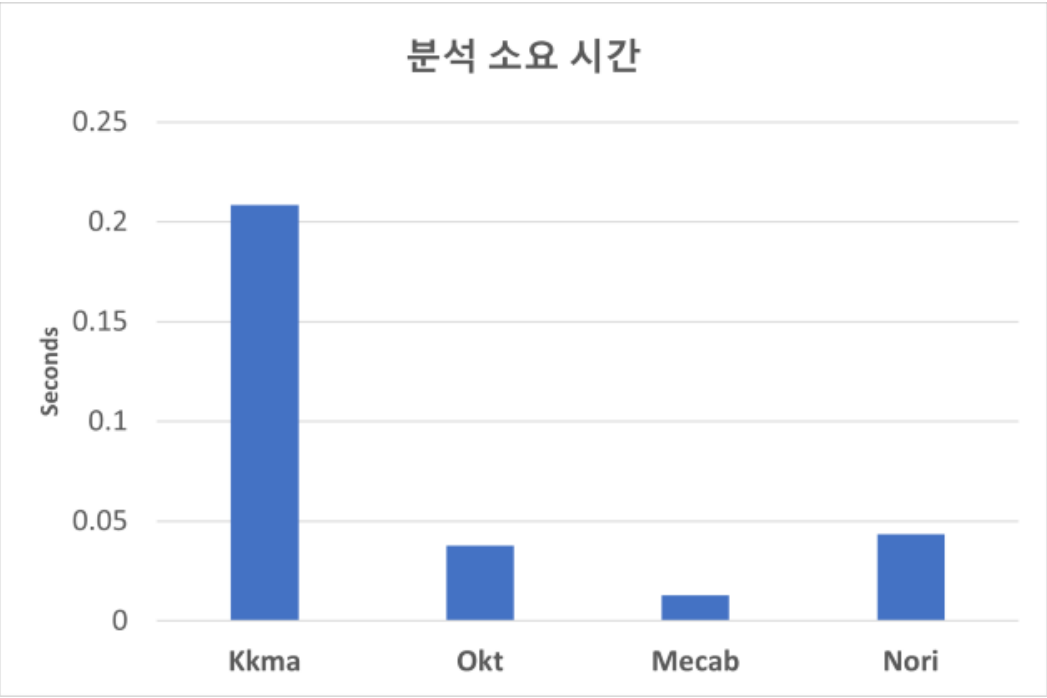
3.

(1)

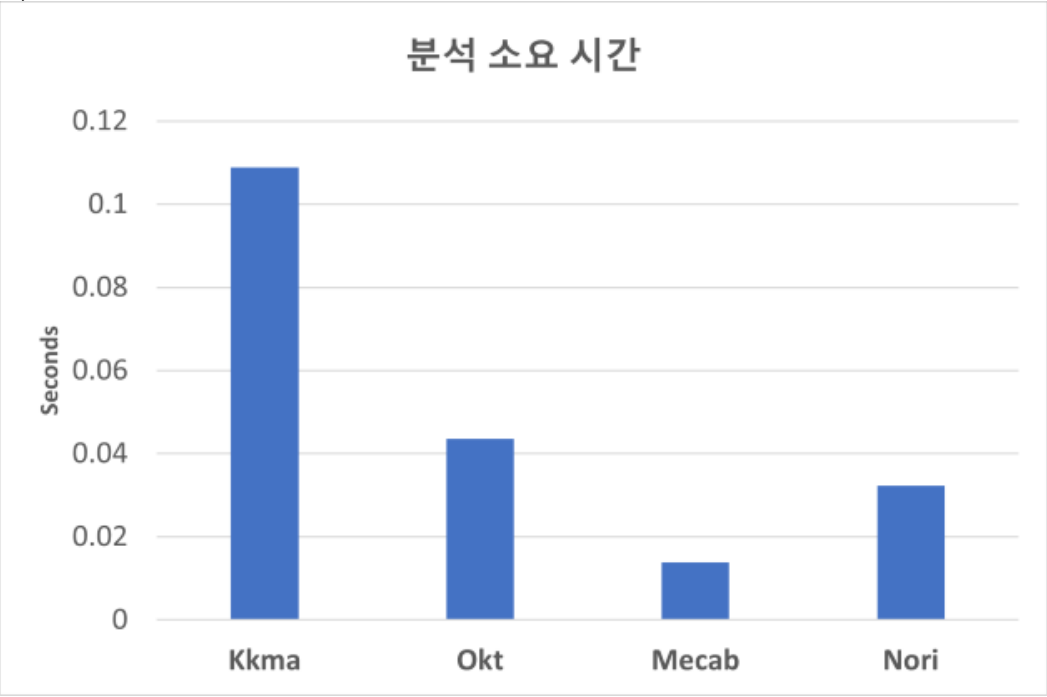
1) 1



2) 2



3) 3



- Mecab > Nori > Okt > Kkma
- Kkma 가 가 , Mecab 가 가
- Nori Mecab

(2)

- (Part Of Speech, POS) (<http://kkma.snu.ac.kr/documents/index.jsp?doc=postag>)
- 1~ 3 Kkma 가
- Kkma
- Nori

(3)

- Okt 가 가 , 가
- Okt Kkma Mecab, Nori , 가
- , Okt 가

clipboard-202208020942-tn0rg.png	24.8 KB	2022-08-02
clipboard-202208020943-2ylsx.png	20.7 KB	2022-08-02
clipboard-202208020943-eealz.png	22.7 KB	2022-08-02