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3) (1993), (1994),

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 (http://plaza.snu.ac.kr/~korinst) .

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8) (1993), 水野俊平(1993), 2 (1997)
(1962)

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	()	.< 1-30>	< >
	()	, .< 3-8>	< > ¹ ()
	()	.< 369>	< > ² (~)
	()	!< 1-110>	< >, < >
	()	가 .< 2-98>	< >
	()	가 < 2-24>	
	()	, .< 1-5>	
	()	가 .< 1-39>	
	()	.< 785>	
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12) ' , , , '

13) 가

. (1989) 89 1 1, 2
37,297 6,238 5.98
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\	1	2	3
1	46.5	48.4	50.0
2	16.8	16.7	16.9
3	8.8	8.4	8.2
4	8.8	5.7	4.4
5	2.9	3.7	3.5

< 3> 가

(1979)

가 가

. 『 』 1 3
가 1 72.1%, 2 73.5%, 3
75.1% 가
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가 100
가 ,
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가

『 』 100 가
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, 『 』 100 가 , (1987)
(1988) 100
가 .

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가 .¹⁶⁾

16) (1998)

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가 . 가
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가 .
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56.2%, 30.3% , 70.8%, 21.1% . 『
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， . 74 6 『 』
(1978) 52.6%,
67.07% . 84 『 』
(1985) 1 『 』
48.05% . 『 』
.17)

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				+	+	+	
1	2728	1133	30	493	1	1	4386
(%)	(62.198)	(25.832)	(0.684)	(11.240)	(0.023)	(0.023)	(100.000)
2	2608	1214	12	478	0	0	4312
(%)	(60.482)	(28.154)	(0.278)	(11.085)	(0.000)	(0.000)	(100.000)
3	2000	1154	16	446	3	6	3625
(%)	(55.172)	(31.834)	(0.441)	(12.303)	(0.083)	(0.166)	(100.000)
	4403	2374	52	994	3	7	7833
(%)	(56.211)	(30.308)	(0.664)	(12.690)	(0.038)	(0.089)	(100.000)

< 4> 『 』 1, 2, 3

				+	+	+	
1	18709	4949	48	1892	1	1	25600
(%)	(73.082)	(19.332)	(0.188)	(7.391)	(0.004)	(0.004)	(100.000)
2	15868	4711	23	1852	0	0	22454
(%)	(70.669)	(20.981)	(0.102)	(8.248)	(0.000)	(0.000)	(100.000)
3	11251	4061	21	1286	6	9	16634
(%)	(67.639)	(24.414)	(0.126)	(7.731)	(0.036)	(0.054)	(100.000)
	45828	13721	92	5030	7	10	64688
(%)	(70.845)	(21.211)	(0.142)	(7.776)	(0.011)	(0.015)	(100.000)

< 5> 『 』 1, 2, 3

17) 4 (1998:23)
: “1980

가 .”
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.”(1:33- 34)

『 』 가
가 . 1 62.2.
(73.1)%, 2 60.5(70.7)%, 3 55.2(67.6)% (

가 56.2%, 70.9%

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가

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가 .

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『 』 1(34-35) .)

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(49.73%) > (29.6%) > (7.7%) > (7.1%) >
3.7%) > (1.1%) > (0.8%)> (0.4%)

가

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가

(56.3%) > (23.8%) > (9.7%) > (7.7%) >
(0.9%) > (0.6%) > (0.5%) > (0.4%)

가 1, 2

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, (49.23), (23.79), (10.23), (8.22),
(7.33), (7.29), (6.66), (6.06)
, , 가

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가 가 가
가 가 가 5
가 가 44.16%,
44.78%, 44.99% . 가 < 7>
가 .

	1 (%)	2 (%)	3 (%)	(%)
	12326 (48.148)	11319 (50.410)	8514 (51.184)	32159 (49.714)
	945 (3.691)	791 (3.523)	627 (3.769)	2363 (3.653)
	192 (0.750)	156 (0.695)	143 (0.860)	491 (0.759)
	7576 (29.594)	6787 (30.226)	4754 (28.580)	19117 (29.553)
	2148 (8.391)	1559 (6.943)	1273 (7.653)	4980 (7.698)
	315 (1.230)	218 (0.971)	157 (0.944)	690 (1.067)
	1993 (7.785)	1540 (6.858)	1082 (6.505)	4615 (7.134)
	105 (0.410)	84 (0.374)	84 (0.505)	273 (0.422)
	25600 (100.000)	22454 (100.000)	16634 (100.000)	64688 (100.000)

< 6> 『 』 1, 2, 3

	1 (%)	2 (%)	3 (%)	(%)
	2259 (51.505)	2305 (53.455)	1948 (53.738)	4412 (56.326)
	39 (0.889)	41 (0.951)	32 (0.883)	48 (0.613)
	36 (0.821)	39 (0.904)	37 (1.021)	67 (0.855)
	1151 (26.243)	1123 (26.044)	953 (26.290)	1868 (23.84)
	371 (8.459)	321 (7.444)	297 (8.193)	606 (7.736)
	19 (0.433)	20 (0.464)	23 (0.634)	29 (0.370)
	483 (11.012)	441 (10.227)	318 (8.772)	762 (9.728)
	28 (0.638)	22 (0.510)	17 (0.469)	41 (0.523)
	4386 (100.000)	4312 (100.000)	3625 (100.000)	7833 (100.000)

< 7> 『 』 1, 2, 3

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< 8>, < 9> .
 가 (29.08%),
 (22.06%), (19.15%), (8.13%),
 (5.03%) . 83.45%
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 , , .
 (26.82%),
 (25.68%), (20.51%), (6.52),
 (6.11%) . 85.28%
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				+	+	+	
	1728	2278	51	345	3	7	4412
(%)	(22.061)	(29.082)	(0.651)	(4.404)	(0.038)	(0.089)	(56.32)
	46	2	0	0	0	0	48
(%)	(0.587)	(0.026)	(0.000)	(0.000)	(0.000)	(0.000)	(0.613)
	36	29	0	2	0	0	67
(%)	(0.460)	(0.370)	(0.000)	(0.026)	(0.000)	(0.000)	(0.855)
	1500	19	0	349	0	0	1868
(%)	(19.15)	(0.243)	(0.000)	(4.456)	(0.000)	(0.000)	(23.84)
	394	3	0	209	0	0	606
(%)	(5.030)	(0.038)	(0.000)	(2.668)	(0.000)	(0.000)	(7.736)
	23	5	0	1	0	0	29
(%)	(0.294)	(0.064)	(0.000)	(0.013)	(0.000)	(0.000)	(0.370)
	637	36	1	88	0	0	762
(%)	(8.132)	(0.460)	(0.013)	(1.123)	(0.000)	(0.000)	(9.728)
	39	2	0	0	0	0	41
(%)	(0.498)	(0.026)	(0.000)	(0.000)	(0.000)	(0.000)	(0.523)
	4403	2374	52	994	3	7	7833
(%)	(56.211)	(30.308)	(0.664)	(12.690)	(0.038)	(0.089)	(100.000)

< 8> 『 』 1 3 /

				+	+	+	
(%)	16614 (25.683)	13270 (20.514)	91 (0.141)	2167 (3.350)	7 (0.011)	10 (0.015)	32159 (49.714)
(%)	2354 (3.639)	9 (0.014)	0 (0.000)	0 (0.000)	0 (0.000)	0 (0.000)	2363 (3.653)
(%)	409 (0.632)	79 (0.122)	0 (0.000)	3 (0.005)	0 (0.000)	0 (0.000)	491 (0.759)
(%)	17348 (26.818)	234 (0.362)	0 (0.000)	1535 (2.373)	0 (0.000)	0 (0.000)	19117 (29.553)
(%)	3952 (6.109)	3 (0.005)	0 (0.000)	1025 (1.585)	0 (0.000)	0 (0.000)	4980 (7.698)
(%)	678 (1.048)	10 (0.015)	0 (0.000)	2 (0.003)	0 (0.000)	0 (0.000)	690 (1.067)
(%)	4217 (6.519)	99 (0.153)	1 (0.002)	298 (0.461)	0 (0.000)	0 (0.000)	4615 (7.134)
(%)	256 (0.396)	17 (0.026)	0 (0.000)	0 (0.000)	0 (0.000)	0 (0.000)	273 (0.422)
(%)	45828 (70.845)	13721 (21.211)	92 (0.142)	5030 (7.776)	7 (0.011)	10 (0.015)	64688 (100.000)

< 9> 『 』 1 3 .

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(1993), 水野俊平(1993), 2 (1997),
(1962) .

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18)

$$z = 0.051261 + 0.007737x - 0.005732y$$

$$(x = \log p + 5 : p$$

$$y = \log sc + 3 : sc$$

$$z \quad)$$

가 [2]

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(259/ 15), (87/ 24), (138/ 26), (178/ 27), (~
)(79/ 29), (7/ 30), (~)(97/ 38), (~)(144/ 49),
 (102/ 50), ()(103/ 52), (246/ 57), (, ~)(111/ 59),
 (151/ 62), (95/ 63), (31/ 64), (46/ 67), (4568/ 69),
 (~)(145/ 73), (52/ 74), (~)(32/ 76), (
 ~)(203/ 77), (34/ 80), (~)(123/ 81), (49/ 82), (~)
 (123/ 86), (~)(51/ 87), (37/ 88), (146/ 92), (145/
 93), (~)(45/ 97), (237/ 96), (57/ 100)(/
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가

가

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가

가

$$\log x + 5, \log y + 3$$

$$0$$

$$x = 0.00001, y = 0.001$$

가

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21) (1994:38- 36)

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(1988), 『 (·)』.

(1993), 『 』, .

(1990), “ ”, 『 』 72 · 73,

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(1990), “ ”, 『

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(1985), “ :

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(1994b), “ ”, 『 』 10, .

(1998), “ ”, 『

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(1994), “ : 『 1, 2, 3』

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水野俊平(1993), “ ”,

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(1972), “ ”, 『 』 8- 1.

(1990), “ :1

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(1999), “ ”, 『 1:

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(1996), “ ”,

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(1998), “ .

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(1994), 『 』, .

(1991), “ ”, 『 』 23,

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2 (1997), 『 』, .

(1987), 『 』, .

[1] 『 』 1, 2, 3 () (300)

<1 >		<2 >		<3 >	
1.	800 (3.125)		512 (2.28)		371 (2.23)
2.	418 (1.633)		373 (1.661)	(~)	226 (1.359)
3.	312 (1.219)	(~)	284 (1.265)		206 (1.238)
4.	(~) 277 (1.082)		248 (1.104)		176 (1.058)
5.	(~) 226 (0.883)		228 (1.015)		159 (0.956)
6.	206 (0.805)		180 (0.802)	(~)	126 (0.757)
7.	(~) 178 (0.695)	(~)	177 (0.788)		115 (0.691)
8.	(~) 172 (0.672)	(~)	161 (0.717)		104 (0.625)
9.	168 (0.656)		144 (0.641)		99 (0.595)
10.	160 (0.625)	가 (~)	139 (0.619)	(~)	93 (0.559)
11.	(~) 160 (0.625)		130 (0.579)		93 (0.559)
12.	155 (0.605)	(~)	127 (0.566)	(~)	90 (0.541)
13.	(~) 153 (0.598)	(~)	120 (0.534)	(~)	89 (0.535)
14.	149 (0.582)	(~)	118 (0.525)	가 (~)	86 (0.517)
15.	(~) 144 (0.563)		111 (0.494)		85 (0.511)
16.	(~) 142 (0.555)	(~)	109 (0.485)	(~)	85 (0.511)
17.	141 (0.551)	(~)	108 (0.481)	(~)	83 (0.499)
18.	(~) 141 (0.551)		107 (0.477)	(~)	82 (0.493)
19.	134 (0.523)		98 (0.436)		82 (0.493)
20.	130 (0.508)		98 (0.436)	(~)	77 (0.463)
21.	(~) 123 (0.48)		97 (0.432)		73 (0.439)
22.	122 (0.477)	(~)	91 (0.405)	(~)	73 (0.439)
23.	119 (0.465)		90 (0.401)	(~)	70 (0.421)
24.	113 (0.441)	(~)	89 (0.396)	(~)	68 (0.409)
25.	(~) 112 (0.438)		88 (0.392)		67 (0.403)
26.	110 (0.43)		86 (0.383)		67 (0.403)
27.	102 (0.398)		84 (0.374)		67 (0.403)
28.	(~) 102 (0.398)		80 (0.356)		63 (0.379)
29.	101 (0.395)		79 (0.352)		61 (0.367)
30.	100 (0.391)		77 (0.343)		61 (0.367)
31.	99 (0.387)	(~)	73 (0.325)	가 [가] (~)	60 (0.361)
32.	가 (~) 97 (0.379)		72 (0.321)		60 (0.361)
33.	(~) 93 (0.363)		71 (0.316)		57 (0.343)
34.	91 (0.355)		68 (0.303)	(~)	56 (0.337)
35.	89 (0.348)	(~)	65 (0.289)		56 (0.337)
36.	86 (0.336)	(~)	65 (0.289)		55 (0.331)
37.	(~) 84 (0.328)		62 (0.276)		52 (0.313)

38.		83 (0.324)	()	61 (0.272)		50 (0.301)
39.		83 (0.324)	(~)	60 (0.267)	(~)	50 (0.301)
40.		79 (0.309)		60 (0.267)		50 (0.301)
41.		76 (0.297)		59 (0.263)	(~)	49 (0.295)
42.	(~)	72 (0.281)	(~)	59 (0.263)		48 (0.289)
43.		71 (0.277)	(~)	59 (0.263)		47 (0.283)
44.		70 (0.273)		59 (0.263)	(~)	46 (0.277)
45.		70 (0.273)	()	59 (0.263)		46 (0.277)
46.	(~)	69 (0.27)		58 (0.258)	(~)	45 (0.271)
47.		68 (0.266)		55 (0.245)		44 (0.265)
48.		68 (0.266)	()	55 (0.245)	가	44 (0.265)
49.		66 (0.258)	(~)	54 (0.24)		43 (0.259)
50.	(~)	61 (0.238)		53 (0.236)		43 (0.259)
51.	(~)	60 (0.234)		52 (0.232)	(~)	43 (0.259)
52.		59 (0.23)		51 (0.227)	(~)	41 (0.246)
53.	(~)	58 (0.227)		51 (0.227)		39 (0.234)
54.	(~)	58 (0.227)	(~)	50 (0.223)	가	37 (0.222)
55.	(~)	56 (0.219)	(~)	50 (0.223)	(~)	37 (0.222)
56.		55 (0.215)	(~)	50 (0.223)		37 (0.222)
57.		54 (0.211)	()	50 (0.223)	(~)	36 (0.216)
58.		54 (0.211)	(~)	48 (0.214)	()	36 (0.216)
59.		54 (0.211)	(~)	48 (0.214)		35 (0.21)
60.	()	54 (0.211)		47 (0.209)		35 (0.21)
61.	(~)	53 (0.207)		47 (0.209)		35 (0.21)
62.		52 (0.203)		47 (0.209)	(~)	35 (0.21)
63.		52 (0.203)		46 (0.205)	()	35 (0.21)
64.	가	52 (0.203)		46 (0.205)		35 (0.21)
65.	()	52 (0.203)	가	46 (0.205)		34 (0.204)
66.	(~)	52 (0.203)		46 (0.205)		34 (0.204)
67.		51 (0.199)	(~)	44 (0.196)	(~)	34 (0.204)
68.	()	50 (0.195)		43 (0.191)	()	34 (0.204)
69.		49 (0.191)	()	43 (0.191)		33 (0.198)
70.	(~)	49 (0.191)		42 (0.187)		33 (0.198)
71.		48 (0.187)	(~)	42 (0.187)		33 (0.198)
72.	(~)	48 (0.187)		42 (0.187)	(~)	33 (0.198)
73.		47 (0.184)	(~)	42 (0.187)		32 (0.192)
74.		47 (0.184)	()	42 (0.187)		32 (0.192)
75.		47 (0.184)	(~)	42 (0.187)	(~)	32 (0.192)
76.		47 (0.184)		41 (0.183)	()	32 (0.192)
77.	(~)	47 (0.184)		41 (0.183)	()	32 (0.192)
78.	(~)	47 (0.184)	()	41 (0.183)		31 (0.186)

79.		47 (0.184)	(~)	41 (0.183)		31 (0.186)
80.		46 (0.18)		40 (0.178)		31 (0.186)
81.		45 (0.176)	(~)	40 (0.178)		31 (0.186)
82.	(~)	45 (0.176)		40 (0.178)	(~)	31 (0.186)
83.		44 (0.172)		40 (0.178)		31 (0.186)
84.	(~)	44 (0.172)		39 (0.174)		30 (0.18)
85.	(~)	44 (0.172)	(~)	39 (0.174)		30 (0.18)
86.		43 (0.168)		39 (0.174)	(~)	30 (0.18)
87.		42 (0.164)		39 (0.174)	(~)	30 (0.18)
88.	(~)	42 (0.164)		38 (0.169)		30 (0.18)
89.		42 (0.164)		38 (0.169)		29 (0.174)
90.	(~)	42 (0.164)	가	38 (0.169)		29 (0.174)
91.		42 (0.164)	()	38 (0.169)		29 (0.174)
92.	(~)	41 (0.16)		37 (0.165)	(~)	29 (0.174)
93.		41 (0.16)	()	37 (0.165)		29 (0.174)
94.	가 (~)	41 (0.16)		37 (0.165)		29 (0.174)
95.	가	41 (0.16)	(~)	36 (0.16)		28 (0.168)
96.	(가 ~)	41 (0.16)		36 (0.16)		27 (0.162)
97.		40 (0.156)		36 (0.16)	(~)	27 (0.162)
98.		40 (0.156)		35 (0.156)		27 (0.162)
99.	(~)	40 (0.156)		35 (0.156)	(~)	27 (0.162)
100.	()	40 (0.156)	(~)	35 (0.156)	(~)	27 (0.162)
101.		39 (0.152)		35 (0.156)		26 (0.156)
102.		39 (0.152)		35 (0.156)	()	26 (0.156)
103.		39 (0.152)		35 (0.156)		25 (0.15)
104.	(~)	39 (0.152)		35 (0.156)		24 (0.144)
105.		39 (0.152)		34 (0.151)	(~)	24 (0.144)
106.		38 (0.148)		34 (0.151)	()	24 (0.144)
107.		38 (0.148)		34 (0.151)		24 (0.144)
108.	()	38 (0.148)	가	34 (0.151)	(~)	24 (0.144)
109.		37 (0.145)		34 (0.151)	(~)	24 (0.144)
110.	(~)	36 (0.141)		34 (0.151)		24 (0.144)
111.		36 (0.141)	(~)	34 (0.151)	(, ~)	24 (0.144)
112.		36 (0.141)		33 (0.147)		24 (0.144)
113.		36 (0.141)		33 (0.147)		24 (0.144)
114.	(~)	36 (0.141)	(~)	33 (0.147)	(~)	24 (0.144)
115.	가	35 (0.137)		33 (0.147)		23 (0.138)
116.	()	35 (0.137)		33 (0.147)		23 (0.138)
117.		35 (0.137)		32 (0.143)		23 (0.138)
118.		35 (0.137)		32 (0.143)	(~)	23 (0.138)
119.		35 (0.137)	(~)	32 (0.143)	(~)	23 (0.138)

120.	(~)	35 (0.137)	(~)	32 (0.143)		23 (0.138)
121.		34 (0.133)		32 (0.143)		23 (0.138)
122.		34 (0.133)		32 (0.143)		23 (0.138)
123.	(~)	34 (0.133)	(, ~)	32 (0.143)	(~)	23 (0.138)
124.	()	34 (0.133)	()	32 (0.143)	(~)	23 (0.138)
125.	()	34 (0.133)		31 (0.138)		22 (0.132)
126.		34 (0.133)		31 (0.138)	(~)	22 (0.132)
127.	()	34 (0.133)		31 (0.138)		22 (0.132)
128.		34 (0.133)	(~)	31 (0.138)		22 (0.132)
129.		33 (0.129)		31 (0.138)		22 (0.132)
130.	(~)	32 (0.125)	(~)	31 (0.138)	()	22 (0.132)
131.		32 (0.125)	()	31 (0.138)	()	22 (0.132)
132.		32 (0.125)		30 (0.134)	(~)	22 (0.132)
133.	(~)	32 (0.125)		30 (0.134)		21 (0.126)
134.		32 (0.125)	(~)	30 (0.134)		21 (0.126)
135.	(~)	31 (0.121)	(~)	30 (0.134)	(~)	21 (0.126)
136.		31 (0.121)	()	29 (0.129)		21 (0.126)
137.	(, ~)	31 (0.121)		29 (0.129)		20 (0.12)
138.		31 (0.121)		28 (0.125)	(~)	20 (0.12)
139.		31 (0.121)		28 (0.125)		20 (0.12)
140.		30 (0.117)	(~)	28 (0.125)		20 (0.12)
141.	(~)	30 (0.117)		28 (0.125)		20 (0.12)
142.		29 (0.113)	()	28 (0.125)		20 (0.12)
143.	(~)	29 (0.113)		28 (0.125)		19 (0.114)
144.		29 (0.113)		28 (0.125)		19 (0.114)
145.	(~)	28 (0.109)		27 (0.12)	(~)	19 (0.114)
146.	(~)	28 (0.109)		27 (0.12)		19 (0.114)
147.		28 (0.109)		27 (0.12)	(~)	19 (0.114)
148.		28 (0.109)	(~)	27 (0.12)		19 (0.114)
149.		28 (0.109)	()	27 (0.12)	(~)	19 (0.114)
150.		28 (0.109)		27 (0.12)	(~)	19 (0.114)
151.		28 (0.109)		26 (0.116)		19 (0.114)
152.		28 (0.109)	(~)	26 (0.116)	(~)	19 (0.114)
153.		28 (0.109)	(~)	26 (0.116)		19 (0.114)
154.		28 (0.109)	(~)	26 (0.116)	(~)	18 (0.108)
155.	(~)	28 (0.109)		26 (0.116)		18 (0.108)
156.		28 (0.109)		26 (0.116)		18 (0.108)
157.		28 (0.109)	가 (~)	26 (0.116)	(~)	18 (0.108)
158.	(~)	27 (0.105)		26 (0.116)		18 (0.108)
159.		27 (0.105)		26 (0.116)	(~)	18 (0.108)
160.	(~)	27 (0.105)		26 (0.116)	(~)	18 (0.108)

161.		27 (0.105)	()	26 (0.116)		18 (0.108)
162.		27 (0.105)	(~)	26 (0.116)	가	18 (0.108)
163.		26 (0.102)		25 (0.111)	(~)	18 (0.108)
164.	(~)	26 (0.102)		25 (0.111)		18 (0.108)
165.		26 (0.102)		25 (0.111)		18 (0.108)
166.		26 (0.102)		25 (0.111)		18 (0.108)
167.		26 (0.102)		25 (0.111)		18 (0.108)
168.		26 (0.102)	(~)	25 (0.111)	(~)	18 (0.108)
169.	()	26 (0.102)	(~)	25 (0.111)	()	18 (0.108)
170.		25 (0.098)		25 (0.111)	(~)	18 (0.108)
171.		25 (0.098)		25 (0.111)	()	18 (0.108)
172.		25 (0.098)	(~)	25 (0.111)	(~)	17 (0.102)
173.		25 (0.098)	(~)	25 (0.111)		17 (0.102)
174.	(~)	25 (0.098)		25 (0.111)		17 (0.102)
175.		25 (0.098)		24 (0.107)		17 (0.102)
176.		25 (0.098)		24 (0.107)		17 (0.102)
177.	()	25 (0.098)		24 (0.107)		17 (0.102)
178.	(~)	25 (0.098)	(~)	24 (0.107)		17 (0.102)
179.		24 (0.094)	(~)	24 (0.107)	(~)	17 (0.102)
180.		24 (0.094)		24 (0.107)		17 (0.102)
181.		24 (0.094)		24 (0.107)		17 (0.102)
182.		24 (0.094)		24 (0.107)		17 (0.102)
183.	(~)	24 (0.094)		24 (0.107)		17 (0.102)
184.		24 (0.094)	()	24 (0.107)		17 (0.102)
185.	(가 ~)	24 (0.094)		23 (0.102)		16 (0.096)
186.	(~)	24 (0.094)	(~)	23 (0.102)		16 (0.096)
187.		24 (0.094)		23 (0.102)		16 (0.096)
188.	(~)	24 (0.094)		23 (0.102)		16 (0.096)
189.		23 (0.09)		23 (0.102)	(~)	16 (0.096)
190.		23 (0.09)	(~)	23 (0.102)	(~)	16 (0.096)
191.		23 (0.09)	()	23 (0.102)		16 (0.096)
192.		23 (0.09)	(~)	23 (0.102)	()	16 (0.096)
193.		23 (0.09)	(~)	23 (0.102)		16 (0.096)
194.	(~)	23 (0.09)		22 (0.098)	가	16 (0.096)
195.		23 (0.09)		22 (0.098)		16 (0.096)
196.	(~)	23 (0.09)		22 (0.098)	()	16 (0.096)
197.		23 (0.09)		22 (0.098)		15 (0.09)
198.	()	23 (0.09)		22 (0.098)		15 (0.09)
199.	(~)	23 (0.09)		22 (0.098)		15 (0.09)
200.		23 (0.09)	(~)	21 (0.094)		15 (0.09)
201.		23 (0.09)		21 (0.094)		15 (0.09)

202.		22 (0.086)		21 (0.094)		15 (0.09)
203.		22 (0.086)		21 (0.094)	(~)	15 (0.09)
204.	(~)	22 (0.086)		21 (0.094)		15 (0.09)
205.		22 (0.086)	(~)	21 (0.094)	(~)	15 (0.09)
206.		22 (0.086)	(~)	21 (0.094)		15 (0.09)
207.		22 (0.086)		21 (0.094)	()	15 (0.09)
208.		22 (0.086)		21 (0.094)		14 (0.084)
209.		22 (0.086)	(~)	21 (0.094)		14 (0.084)
210.		22 (0.086)		21 (0.094)		14 (0.084)
211.		21 (0.082)		20 (0.089)		14 (0.084)
212.		21 (0.082)		20 (0.089)		14 (0.084)
213.		21 (0.082)		20 (0.089)	(~)	14 (0.084)
214.		21 (0.082)		20 (0.089)	(~)	14 (0.084)
215.		21 (0.082)	(~)	20 (0.089)		14 (0.084)
216.		21 (0.082)		20 (0.089)		14 (0.084)
217.		21 (0.082)		20 (0.089)		14 (0.084)
218.		21 (0.082)	(~)	20 (0.089)		14 (0.084)
219.		21 (0.082)		20 (0.089)	()	14 (0.084)
220.	(~)	21 (0.082)	(~)	19 (0.085)		14 (0.084)
221.	(~)	21 (0.082)		19 (0.085)	()	14 (0.084)
222.		21 (0.082)		19 (0.085)	(~)	14 (0.084)
223.	가	21 (0.082)	(~)	19 (0.085)	(~)	14 (0.084)
224.		21 (0.082)		19 (0.085)		13 (0.078)
225.		21 (0.082)		19 (0.085)		13 (0.078)
226.	(1211~)	21 (0.082)		19 (0.085)	(~)	13 (0.078)
227.		20 (0.078)		19 (0.085)		13 (0.078)
228.		20 (0.078)		19 (0.085)		13 (0.078)
229.		20 (0.078)	(~)	18 (0.08)	(~)	13 (0.078)
230.		20 (0.078)		18 (0.08)		13 (0.078)
231.	(~)	20 (0.078)		18 (0.08)		13 (0.078)
232.		20 (0.078)		18 (0.08)		13 (0.078)
233.		20 (0.078)		18 (0.08)	(가~)	13 (0.078)
234.		20 (0.078)	가 (~)	18 (0.08)		13 (0.078)
235.		20 (0.078)	(~)	18 (0.08)		13 (0.078)
236.		20 (0.078)	가	18 (0.08)		13 (0.078)
237.		20 (0.078)		18 (0.08)		13 (0.078)
238.	()	20 (0.078)		18 (0.08)		13 (0.078)
239.		20 (0.078)		18 (0.08)	(~)	13 (0.078)
240.		19 (0.074)		18 (0.08)		13 (0.078)
241.	(~)	19 (0.074)		18 (0.08)		13 (0.078)
242.	(~)	19 (0.074)	(~)	18 (0.08)		13 (0.078)

243.		19 (0.074)	(~)	18 (0.08)		13 (0.078)
244.	(~)	19 (0.074)		18 (0.08)	(~)	13 (0.078)
245.		19 (0.074)	()	18 (0.08)	(~)	13 (0.078)
246.	(~)	19 (0.074)		18 (0.08)		13 (0.078)
247.	(~)	19 (0.074)		18 (0.08)		13 (0.078)
248.	(~)	19 (0.074)		17 (0.076)		12 (0.072)
249.		19 (0.074)	(~)	17 (0.076)		12 (0.072)
250.		19 (0.074)		17 (0.076)		12 (0.072)
251.		19 (0.074)		17 (0.076)		12 (0.072)
252.	(~)	19 (0.074)		17 (0.076)		12 (0.072)
253.		19 (0.074)		17 (0.076)		12 (0.072)
254.		19 (0.074)	(~)	17 (0.076)		12 (0.072)
255.	(~)	19 (0.074)		17 (0.076)		12 (0.072)
256.		19 (0.074)		17 (0.076)		12 (0.072)
257.	가 (~)	18 (0.07)		17 (0.076)		12 (0.072)
258.		18 (0.07)		17 (0.076)		12 (0.072)
259.		18 (0.07)		17 (0.076)		12 (0.072)
260.		18 (0.07)	가	17 (0.076)	(~)	12 (0.072)
261.		18 (0.07)		17 (0.076)	(~)	12 (0.072)
262.		18 (0.07)		17 (0.076)	(~)	12 (0.072)
263.		18 (0.07)	(~)	17 (0.076)		12 (0.072)
264.	()	18 (0.07)		17 (0.076)	(~)	12 (0.072)
265.		18 (0.07)		17 (0.076)		12 (0.072)
266.	(~)	18 (0.07)		16 (0.071)		12 (0.072)
267.		18 (0.07)	(~)	16 (0.071)		12 (0.072)
268.		18 (0.07)		16 (0.071)	()	12 (0.072)
269.		18 (0.07)		16 (0.071)	가 (~)	12 (0.072)
270.		18 (0.07)		16 (0.071)		12 (0.072)
271.		18 (0.07)		16 (0.071)	(~)	12 (0.072)
272.	(~)	17 (0.066)	(~)	16 (0.071)		12 (0.072)
273.		17 (0.066)		16 (0.071)		12 (0.072)
274.		17 (0.066)	()	16 (0.071)		12 (0.072)
275.		17 (0.066)	()	16 (0.071)	(~)	12 (0.072)
276.		17 (0.066)	(~)	15 (0.067)	(~)	12 (0.072)
277.		17 (0.066)		15 (0.067)		12 (0.072)
278.		17 (0.066)		15 (0.067)	()	11 (0.066)
279.	(~)	17 (0.066)		15 (0.067)	(~)	11 (0.066)
280.		17 (0.066)		15 (0.067)		11 (0.066)
281.		17 (0.066)	(~)	15 (0.067)		11 (0.066)
282.		17 (0.066)		15 (0.067)	가 (~)	11 (0.066)
283.		17 (0.066)		15 (0.067)	(~)	11 (0.066)

284.	(~)	17 (0.066)		15 (0.067)		11 (0.066)
285.		17 (0.066)	(~)	15 (0.067)		11 (0.066)
286.		17 (0.066)		15 (0.067)		11 (0.066)
287.		17 (0.066)		15 (0.067)		11 (0.066)
288.	()	17 (0.066)		15 (0.067)		11 (0.066)
289.		17 (0.066)		15 (0.067)		11 (0.066)
290.		17 (0.066)	(~)	15 (0.067)		11 (0.066)
291.		17 (0.066)	(~)	15 (0.067)		11 (0.066)
292.		17 (0.066)		15 (0.067)		11 (0.066)
293.		17 (0.066)		15 (0.067)	(~)	11 (0.066)
294.		16 (0.062)		15 (0.067)		11 (0.066)
295.	(~)	16 (0.062)		15 (0.067)		11 (0.066)
296.	(~)	16 (0.062)		15 (0.067)		11 (0.066)
297.		16 (0.062)		15 (0.067)		11 (0.066)
298.		16 (0.062)		15 (0.067)	(~)	11 (0.066)
299.		16 (0.062)		15 (0.067)		11 (0.066)
300.		16 (0.062)		15 (0.067)		11 (0.066)

[2] 『 』 1 3 , ,

<	>	(‰)	<	>	(%)	<	>	(z)
1.		2.602	1.		1.493	1.		0.07907
2.		1.541	2.		4.255	2.		0.07774
3.	(~)	1.217	3.		5.384	3.	(~)	0.07774
4.		1.107	4.		6.054	4.		0.07762
5.	(~)	0.734	5.		8.017	5.	(~)	0.07677
6.		0.728	6.	(~)	9.488	6.		0.07608
7.		0.694	7.		9.570	7.	(~)	0.07563
8.		0.662	8.	(~)	10.184	8.		0.07526
9.		0.628	9.	(~)	10.327	9.	(~)	0.07514
10.		0.626	10.	(~)	10.657	10.	(~)	0.07481
11.	(~)	0.601	11.		11.927	11.		0.07464
12.	(~)	0.570	12.		12.627	12.		0.07461
13.	(~)	0.561	13.	(~)	13.201	13.		0.07415
14.	(~)	0.544	14.		13.202	14.		0.07412
15.	(~)	0.538	15.	(~)	13.513	15.		0.07410
16.	(~)	0.535	16.	(~)	14.064	16.	(~)	0.07382
17.	가 (~)	0.498	17.		14.111	17.	(~)	0.07364
18.	()	0.470	18.	(~)	14.254	18.		0.07360
19.		0.467	19.		14.310	19.	()	0.07355
20.		0.461	20.		14.697	20.		0.07332
21.	(~)	0.439	21.	()	15.020	21.		0.07321
22.		0.433	22.	(~)	15.096	22.	가 (~)	0.07316
23.		0.430	23.		15.280	23.	(~)	0.07311
24.		0.417	24.	(, ~)	15.637	24.		0.07284
25.	(~)	0.391	25.	(~)	16.190	25.		0.07273
26.		0.385	26.	()	16.683	26.		0.07270
27.		0.373	27.		17.073	27.		0.07257
28.		0.352	28.		17.211	28.		0.07246
29.	(~)	0.337	29.	(~)	17.213	29.	(~)	0.07244
30.		0.335	30.	(~)	17.230	30.		0.07242
31.		0.335	31.	(~)	17.953	31.	(~)	0.07242
32.	(~)	0.331	32.		18.421	32.	(~)	0.07241
33.		0.328	33.		18.554	33.		0.07235
34.		0.300	34.		19.221	34.		0.07231
35.		0.289	35.		19.312	35.		0.07214

36.	0.286	36.	19.868	36.	0.07213
37.	0.283	37.	20.349	37.	0.07203
38.	0.283	38. (~)	20.353	38. (~)	0.07200
39.	0.278	39. (~)	20.584	39.	0.07191
40. (~)	0.267	40.	20.589	40. (~)	0.07171
41.	0.267	41.	20.652	41. (~)	0.07165
42.	0.263	42. (~)	21.146	42. ()	0.07157
43.	0.263	43. (~)	21.250	43.	0.07142
44. (~)	0.247	44.	21.279	44. (~)	0.07132
45. (~)	0.241	45.	21.574	45. (~)	0.07130
46.	0.240	46. (~)	22.139	46.	0.07127
47.	0.237	47.	22.353	47. (~)	0.07126
48. (~)	0.235	48.	22.865	48. (~)	0.07126
49.	0.233	49.	23.082	49. (~)	0.07110
50.	0.232	50.	23.336	50.	0.07105
51. (~)	0.229	51.	23.357	51.	0.07103
52.	0.224	52.	23.503	52. ()	0.07093
53.	0.224	53. (~)	23.913	53.	0.07093
54.	0.212	54. (~)	24.293	54. (~)	0.07091
55. (~)	0.210	55.	24.667	55.	0.07085
56.	0.207	56. (~)	24.673	56.	0.07080
57. (~)	0.206	57. ()	25.667	57.	0.07078
58.	0.206	58.	25.985	58. (~)	0.07069
59. 가	0.203	59.	26.034	59. (, ~)	0.07067
60. ()	0.203	60. (~)	26.244	60.	0.07063
61.	0.201	61.	26.329	61.	0.07039
62. (~)	0.199	62. (~)	26.346	62.	0.07036
63.	0.195	63.	26.422	63.	0.07035
64.	0.189	64. ()	26.614	64.	0.07020
65. ()	0.187	65.	26.658	65. 가	0.07016
66.	0.182	66.	26.800	66.	0.07015
67. (~)	0.181	67.	26.851	67.	0.07015
68.	0.181	68.	27.287	68. ()	0.07010
69. (~)	0.178	69. ()	27.510	69.	0.07005
70.	0.178	70.	27.538	70.	0.07003
71.	0.175	71.	27.541	71. (~)	0.06995
72. (~)	0.173	72.	27.642	72.	0.06994
73.	0.173	73.	27.727	73. (~)	0.06988
74.	0.172	74. (~)	27.765	74.	0.06988
75. (~)	0.172	75.	27.874	75.	0.06987
76. 가	0.170	76.	28.291	76. (~)	0.06984

77.	0.170	77.	28.480	77.	(~)	0.06984
78.	0.168	78.	28.986	78.		0.06981
79. (~)	0.167	79.	29.152	79.	(~)	0.06980
80. ()	0.167	80. (~)	29.299	80.		0.06978
81. (~)	0.167	81.	29.482	81.	(~)	0.06973
82.	0.165	82.	29.516	82.		0.06970
83.	0.164	83. (~)	29.571	83.	(~)	0.06969
84. (~)	0.164	84. (~)	29.582	84.	가	0.06964
85.	0.161	85.	29.597	85.		0.06962
86. 가	0.161	86.	29.866	86.	(~)	0.06954
87.	0.159	87.	30.061	87.	(~)	0.06947
88.	0.158	88.	30.087	88.		0.06941
89.	0.158	89.	30.286	89.		0.06940
90.	0.158	90.	30.380	90.	(~)	0.06940
91.	0.156	91.	30.383	91.	(~)	0.06938
92. (~)	0.155	92.	30.411	92.		0.06933
93.	0.155	93.	30.471	93.		0.06929
94.	0.155	94. (~)	30.872	94.	(~)	0.06929
95.	0.153	95. (~)	31.069	95.	(~)	0.06923
96.	0.151	96.	31.135	96.		0.06919
97. (~)	0.150	97.	31.295	97.	(~)	0.06918
98. (~)	0.150	98. (~)	31.651	98.		0.06904
99.	0.150	99.	32.136	99.		0.06902
100. (~)	0.147	100.	32.194	100.		0.06895
101. (~)	0.147	101. (~)	32.406	101.		0.06893
102.	0.145	102.	32.428	102.		0.06889
103. ()	0.144	103.	32.492	103.	()	0.06887
104. (~)	0.144	104.	32.501	104.		0.06884
105.	0.144	105.	32.884	105.		0.06882
106.	0.144	106.	32.975	106.	(~)	0.06877
107. (~)	0.144	107. (~)	33.229	107.		0.06876
108. (~)	0.141	108. 가	33.494	108.		0.06875
109.	0.139	109.	33.664	109.		0.06875
110.	0.138	110. 가 (~)	33.703	110.		0.06874
111. (, ~)	0.134	111. (~)	34.241	111.		0.06871
112.	0.134	112.	34.258	112. 가		0.06871
113. (~)	0.134	113.	34.332	113.		0.06870
114.	0.131	114. 가	34.431	114.		0.06863
115.	0.131	115.	34.561	115.		0.06856
116.	0.128	116.	34.649	116.		0.06854
117. (~)	0.128	117.	34.850	117.		0.06852

118.	(~)	0.128	118.	35.079	118.	0.06849
119.	()	0.127	119.	35.691	119.	0.06846
120.	(~)	0.125	120.	35.818	120.	0.06843
121.		0.125	121.	35.829	121.	0.06835
122.	(~)	0.125	122.	35.951	122. (~)	0.06832
123.	(~)	0.124	123.	36.293	123.	0.06830
124.	(~)	0.124	124. (~)	36.404	124.	0.06824
125.		0.124	125.	36.590	125.	0.06823
126.		0.122	126.	36.653	126.	0.06823
127.		0.122	127.	36.727	127.	0.06822
128. 가	(~)	0.122	128. (~)	36.783	128.	0.06818
129.		0.122	129.	36.819	129.	0.06814
130.		0.121	130.	36.941	130.	0.06809
131.	(~)	0.121	131. (~)	36.990	131.	0.06807
132.		0.121	132. (~)	37.350	132.	0.06807
133.		0.119	133.	37.543	133. (~)	0.06802
134.	()	0.119	134. (~)	37.807	134.	0.06800
135.		0.117	135. (~)	37.838	135. (~)	0.06799
136.	(~)	0.114	136.	37.880	136.	0.06797
137.		0.113	137.	38.134	137.	0.06796
138.	(~)	0.113	138.	38.296	138. (~)	0.06795
139.		0.111	139.	38.354	139.	0.06790
140.		0.111	140.	38.386	140.	0.06783
141.	(~)	0.111	141.	38.607	141. (~)	0.06782
142.		0.108	142. (~)	38.658	142.	0.06779
143.		0.108	143.	38.932	143.	0.06770
144.	(~)	0.107	144.	39.271	144. (~)	0.06769
145.	(~)	0.105	145.	39.705	145.	0.06767
146.		0.105	146. (~)	39.845	146. (~)	0.06766
147.		0.105	147.	40.121	147.	0.06765
148.		0.105	148. 가	40.589	148.	0.06763
149.		0.105	149.	41.056	149.	0.06758
150.		0.104	150. (~)	42.009	150.	0.06758
151.		0.102	151.	42.127	151. (~)	0.06752
152.		0.102	152.	42.385	152.	0.06750
153.		0.102	153.	42.637	153.	0.06743
154.		0.102	154.	42.683	154.	0.06742
155.		0.102	155. (~)	42.688	155.	0.06741
156.		0.102	156.	42.960	156. (~)	0.06741
157.		0.100	157.	43.420	157.	0.06740
158.		0.099	158.	43.631	158.	0.06736

159.		0.097	159.	43.709	159. 가 (~)	0.06736
160.	()	0.097	160.	43.973	160.	0.06733
161.		0.097	161.	44.091	161. (~)	0.06730
162.	(~)	0.097	162. (~)	44.474	162.	0.06724
163.		0.097	163.	44.701	163. ()	0.06723
164.		0.097	164. (~)	44.748	164.	0.06722
165.		0.096	165.	44.761	165.	0.06721
166.		0.096	166.	44.853	166. (~)	0.06720
167.	(~)	0.096	167. (~)	45.269	167. (~)	0.06719
168.		0.094	168. (~)	45.426	168.	0.06709
169.	(~)	0.094	169.	45.541	169.	0.06704
170.		0.094	170.	46.123	170.	0.06702
171.	가 [가]()	0.094	171.	46.249	171. (~)	0.06701
172.	()	0.094	172. (~)	46.576	172.	0.06700
173.		0.093	173.	47.216	173.	0.06700
174.		0.093	174.	47.542	174.	0.06699
175.		0.093	175. 가 (~)	47.631	175.	0.06698
176.	()	0.093	176.	47.746	176.	0.06698
177.		0.093	177. (~)	47.791	177.	0.06698
178.		0.091	178.	47.931	178. (~)	0.06691
179.		0.091	179. (~)	48.670	179. (~)	0.06689
180.		0.091	180. (~)	48.735	180.	0.06683
181.		0.090	181.	49.601	181. (~)	0.06683
182.	(~)	0.090	182.	49.937	182.	0.06683
183.		0.088	183.	50.297	183.	0.06681
184.		0.088	184.	50.400	184. (~)	0.06676
185.		0.088	185.	50.558	185.	0.06674
186.		0.088	186.	50.607	186.	0.06673
187.		0.088	187.	51.377	187.	0.06672
188.	(~)	0.087	188.	51.594	188.	0.06672
189.		0.087	189. (~)	51.616	189. (~)	0.06669
190.		0.087	190.	51.667	190. ()	0.06668
191.	(~)	0.085	191.	51.688	191.	0.06664
192.		0.085	192.	51.821	192.	0.06663
193.	(~)	0.085	193. (~)	51.877	193. (~)	0.06656
194.		0.085	194. ()	51.952	194. (~)	0.06655
195.	()	0.085	195. (~)	52.140	195.	0.06652
196.		0.083	196.	52.519	196.	0.06651
197.		0.083	197.	52.768	197.	0.06640
198.		0.083	198.	52.915	198. (~)	0.06638
199.		0.083	199.	53.103	199. (~)	0.06638

200.		0.082	200.	53.295	200.	0.06637
201.	(~)	0.082	201.	53.535	201.	0.06635
202.	(~)	0.082	202.	53.881	202.	0.06635
203.	(~)	0.080	203.	54.829	203.	0.06633
204.		0.080	204.	55.149	204.	0.06630
205.		0.080	205.	55.190	205.	0.06626
206.	(~)	0.080	206.	55.196	206.	0.06626
207.	(~)	0.079	207.	56.071	207.	0.06623
208.		0.079	208.	56.525	208.	0.06619
209.	(~)	0.079	209.	56.652	209.	0.06619
210.		0.079	210.	56.855	210.	0.06618
211.	(~)	0.079	211.	57.359	211.	0.06615
212.		0.079	212.	57.865	212.	0.06612
213.		0.079	213.	59.108	213.	0.06611
214.		0.077	214.	59.203	214.	0.06606
215.	(~)	0.077	215.	59.386	215.	0.06603
216.	(~)	0.077	216.	59.528	216.	0.06601
217.	(~)	0.077	217.	59.597	217.	0.06592
218.		0.076	218.	60.199	218.	0.06587
219.		0.076	219.	60.588	219.	0.06584
220.		0.076	220.	60.832	220.	0.06584
221.		0.076	221.	61.042	221.	0.06583
222.		0.076	222.	61.437	222.	0.06578
223.		0.076	223.	61.788	223.	0.06576
224.	(~)	0.076	224.	62.567	224.	0.06576
225.	(~)	0.074	225.	62.837	225.	0.06576
226.		0.074	226.	62.872	226.	0.06574
227.		0.074	227.	63.284	227.	0.06570
228.		0.074	228.	63.326	228.	가 [가] (~) 0.06569
229.		0.074	229.	63.748	229.	(~) 0.06568
230.	(가 ~)	0.074	230.	64.121	230.	0.06566
231.	(~)	0.073	231.	64.243	231.	0.06564
232.	(~)	0.073	232.	64.340	232.	0.06562
233.		0.073	233.	64.790	233.	(~) 0.06562
234.		0.073	234.	65.334	234.	0.06562
235.	(~)	0.073	235.	65.955	235.	0.06549
236.		0.073	236.	65.964	236.	(~) 0.06548
237.		0.071	237.	66.534	237.	(~) 0.06538
238.	(~)	0.071	238.	66.648	238.	0.06537
239.		0.071	239.	66.925	239.	0.06530
240.	(~)	0.071	240.	66.945	240.	(가 ~) 0.06526

241.		0.071	241. 가	67.372	241.	0.06525
242.		0.070	242. (~)	67.397	242.	0.06525
243.		0.070	243.	68.162	243.	0.06520
244.		0.070	244. (~)	68.711	244. (~)	0.06518
245.		0.070	245.	69.469	245. ()	0.06518
246.		0.070	246. (~)	69.794	246.	0.06517
247.		0.070	247.	70.218	247.	0.06514
248.		0.070	248.	70.862	248. (~)	0.06513
249.	(가~)	0.070	249.	71.701	249.	0.06512
250.		0.070	250.	71.716	250.	0.06511
251.	(~)	0.070	251.	72.668	251.	0.06510
252.		0.068	252.	72.970	252.	0.06509
253.		0.068	253. (~)	73.169	253. (~)	0.06505
254.	(~)	0.068	254.	73.995	254. (~)	0.06503
255.	()	0.068	255.	75.886	255. (~)	0.06501
256.	()	0.068	256. (~)	76.478	256.	0.06501
257.	(~)	0.068	257.	76.640	257.	0.06499
258.	()	0.068	258. ()	76.684	258. (~,)	0.06495
259.		0.066	259.	76.744	259.	0.06488
260.		0.066	260.	77.022	260.	0.06486
261.	(~)	0.066	261.	77.395	261.	0.06486
262.		0.066	262.	78.827	262. (~)	0.06480
263.		0.066	263. ()	78.976	263.	0.06476
264.		0.066	264.	79.268	264.	0.06474
265.		0.066	265. (~)	79.454	265.	0.06472
266.		0.065	266.	79.631	266.	0.06469
267.		0.065	267. (~)	79.639	267. ()	0.06468
268.		0.065	268.	80.363	268. (~)	0.06468
269.		0.065	269.	81.427	269. (~)	0.06467
270.		0.065	270.	82.246	270. (~)	0.06464
271.	(~)	0.065	271.	82.981	271. ()	0.06463
272.	가	0.065	272. (~)	83.490	272.	0.06460
273.	()	0.065	273. (~)	83.759	273. ()	0.06453
274.		0.063	274.	84.543	274.	0.06452
275.	(~)	0.063	275.	86.006	275.	0.06449
276.	(~,)	0.063	276.	86.258	276.	0.06447
277.		0.063	277.	89.413	277. (~)	0.06443
278.		0.063	278. ()	89.824	278.	0.06442
279.		0.063	279. (~)	89.874	279.	0.06441
280.	(~)	0.062	280. (~)	89.963	280.	0.06434

281.	(~)	0.062	281.	(가 ~)	90.405	281.	()	0.06433
282.		0.062	282.		90.506	282.	가	0.06432
283.		0.062	283.		91.751	283.	(~)	0.06430
284.		0.062	284.	()	92.340	284.		0.06418
285.	(~)	0.062	285.		93.114	285.	(~)	0.06416
286.		0.062	286.		93.801	286.		0.06404
287.	(~)	0.062	287.	(~)	95.486	287.	(~)	0.06402
288.	(~)	0.062	288.		95.734	288.		0.06379
289.		0.062	289.	(~)	96.045	289.	(가 ~)	0.06378
290.		0.060	290.		97.828	290.		0.06367
291.		0.060	291.	()	98.969	291.	(~)	0.06362
292.	(~)	0.060	292.	가 [가] ()	99.451	292.	()	0.06359
293.		0.060	293.	()	100.000	293.		0.06359
294.	(~)	0.060	294.	(~)	100.000	294.	()	0.06357
295.		0.060	295.	()	100.000	295.	(~)	0.06350
296.		0.059	296.	()	100.000	296.		0.06344
297.		0.059	297.	()	100.000	297.	()	0.06342
298.		0.059	298.	()	100.000	298.		0.06318
299.		0.059	299.		100.000	299.	()	0.06308
300.	()	0.059	300.	()	100.000	300.		0.06074

<Abstract>

**A statistical survey on the vocabulary used in
“Korean” textbooks for 5 7 grades of North Korea****Min, Byŏng - gon**

The purpose of this article is to survey statistically on the vocabulary used in “Korean” textbooks for 5 7 grades of North Korea. The postpositions(cho-sa) and verb endings are not considered, only the stems of words are focused.

The results of the statistical survey of the three textbooks shows that the whole running words are 64,688, the different words are 7,833, and the average relative frequency is 8.26 times. The average relative frequency in the 1st grade textbook is $25,600/4,386=5.84$ times, in the 2nd grade textbook $22,454/4,312=5.21$ times, and the 3rd grade textbook $16,634/3,625=4.59$ times.

In this article, words are classified by their origin into four classes like native words, Sino-Korean words, words of foreign origin, and hybrid. Of the different words, native words held the largest portion(56.2%), and the ratio of other words are 30.3%, 0.7%, and 12.8% respectively. In the case of running words, the ratio is 70.9%, 21.2%, 0.1%, and 7.8% respectively.

Through the distribution analysis of word class, the ratio of nouns, verbs, adverbs, and adjectives etc. is recorded 56.3%, 23.8%, 9.7%, and 7.7% etc. respectively in different words. In case of running words, the ratio is 49.73%, 29.6%, 7.1%, 7.7%, etc. respectively.

In calculating the fundamentality of the words, average relative frequency and dispersion of words are taken into account. The table of fundamentality shows that the words related to the family of ‘Kim, Il-sŏng’ are very fundamental.