

# Result of Nakatani method

=== Confusion Matrix ===

	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	aa	ab	ac	ad	ae	af	ag	ah	<-- classified as	
12	0	0	0	0	3	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	a = p1
0	13	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	b = p2	
0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c = p3	
0	0	0	10	0	1	0	0	0	0	0	0	1	0	1	0	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	d = p4	
0	0	0	0	6	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3	0	0	e = p5		
2	0	0	1	0	9	2	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	f = p6		
0	0	1	0	5	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2	0	0	g = p7		
1	0	0	0	1	4	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	4	1	1	h = p8		
0	0	0	0	1	0	0	1	7	0	0	0	0	0	0	0	0	0	0	1	3	2	1	1	0	0	0	2	0	0	0	1	0	0	i = p9		
0	0	0	0	0	0	0	0	0	10	6	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	j = p10	
0	0	0	0	0	0	0	0	0	5	13	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	k = p11	
0	0	0	0	0	0	0	0	0	0	1	7	0	0	0	1	3	2	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	l = p12	
0	0	0	0	2	1	2	0	1	0	0	0	2	3	1	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	4	0	0	0	m = p13		
1	0	0	1	0	1	0	0	0	0	0	1	0	6	2	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	n = p14	
0	1	0	0	0	0	0	1	0	0	0	0	0	2	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	o = p15	
0	0	0	2	0	0	0	0	0	0	1	1	0	0	0	9	2	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	p = p16	
0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	3	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	q = p17	
0	1	0	1	0	0	0	0	0	0	0	1	1	0	0	1	2	11	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	r = p18	
0	0	0	1	0	0	0	0	0	0	1	4	0	0	0	3	2	0	7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	s = p19	
0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	4	7	2	0	0	0	0	0	0	0	0	1	2	1	0	0	t = p20		
0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	6	7	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	u = p21	
0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	2	2	11	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	v = p22	
0	0	0	0	0	2	1	1	0	0	0	0	1	0	0	0	1	0	1	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	w = p23	
1	0	0	0	1	0	1	1	0	0	0	0	1	0	0	1	0	0	1	0	0	6	3	0	1	1	1	0	1	0	0	0	0	0	0	x = p24	
0	0	0	0	2	0	1	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	8	3	0	1	0	0	0	0	0	y = p25	
0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	4	9	0	1	1	0	0	0	0	0	z = p26	
4	1	0	0	0	0	1	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	1	0	0	0	5	1	0	0	0	0	1	1	aa = p27		
0	0	0	0	2	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	5	1	0	0	ab = p28		
2	2	0	0	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	1	1	0	0	ac = p29		
0	0	0	0	0	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	2	0	6	0	0	0	0	ad = p30		
0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	8	1	0	1	1	0	ae = p31		
0	0	0	0	0	4	0	2	1	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	1	0	0	8	0	0	0	af = p32		
0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	3	0	1	0	0	0	1	0	0	0	8	1	1	ag = p33		
0	0	0	0	0	0	0	1	0	0	0	2	0	0	6	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8	1	ah = p34	

Correctly Classified Instances	272	40	%
Incorrectly Classified Instances	408	60	%

# Result of our method

=== Confusion Matrix ===

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z	aa	ab	ac	ad	ae	af	ag	ah	<-- classified as		
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	a = p1	
0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	b = p2	
0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c = p3	
0	0	0	15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	d = p4	
0	0	0	0	19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	e = p5	
0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	f = p6	
0	0	0	0	2	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	g = p7	
0	0	0	0	1	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	h = p8	
0	0	0	0	1	0	0	3	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	i = p9	
0	0	0	0	0	0	0	0	0	17	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	j = p10
0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	k = p11
0	0	1	0	0	0	0	0	0	0	1	16	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	l = p12
0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	m = p13
0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n = p14
1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	o = p15
0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	p = p16
0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	q = p17
0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	r = p18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	s = p19
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	t = p20
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	1	0	0	0	0	0	0	0	0	0	0	0	1	0	u = p21
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	v = p22
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	1	0	0	0	0	0	0	0	0	0	w = p23
0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	1	0	0	0	0	0	0	0	0	0	x = p24
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	y = p25
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	z = p26
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	aa = p27	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	ab = p28	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	ac = p29	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	ad = p30	
0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18	0	0	0	0	ae = p31	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	af = p32	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	ag = p33	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	ah = p34	

Correctly Classified Instances	638	93.8235 %
Incorrectly Classified Instances	42	6.1765 %