

Table 1 Spacing between characters

character classes name	after																														line end	
	cl-01	cl-02	cl-03	cl-04	cl-05	cl-06	cl-07	cl-08	cl-09	cl-10	cl-11	cl-12	cl-13	cl-14	cl-15	cl-16	cl-19	cl-20	cl-21	cl-22	cl-23	cl-24	cl-25	cl-26	cl-27	cl-28	cl-29	cl-30				
cl-01 opening brackets					1/4 af															n. 1	n. 1							×		×		
cl-02 closing brackets	1/2 be		1/2 be	1/2 be	1/4 af			1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be		1/2 be	1/2 be	1/2 be		1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	n. 2	
cl-03 hyphens	1/2 af				1/4 af																											
cl-04 dividing punctuation marks	1/2 af				1/4 af														1/4 be			1/4 be	1/4 be		1/4 be							
cl-05 middle dots	1/4 be	1/4 be	1/4 be	1/4 be	n. 3	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	1/4 be	n. 4	
cl-06 full stops	1/2 be		1/2 be	1/2 be	n. 5			1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be		1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	n. 6	
cl-07 commas	1/2 be		1/2 be	1/2 be	n. 5			1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be		1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	1/2 be	n. 6	
cl-08 inseparable characters	1/2 af				1/4 af																ruby hang	ruby hang										
cl-09 iteration marks	1/2 af				1/4 af														1/4 be			1/4 be	1/4 be		1/4 be							
cl-10 prolonged sound marks	1/2 af				1/4 af														1/4 be	n. 7	n. 7	1/4 be	1/4 be		1/4 be							
cl-11 small kanas	1/2 af				1/4 af														1/4 be	n. 7	n. 7	1/4 be	1/4 be		1/4 be							
cl-12 prefixed abbreviations	1/2 af				1/4 af																								×		×	
cl-13 postfix abbreviations	1/2 af				1/4 af																											
cl-14 fulwidth ideographic space					1/4 af																n. 8	n. 8										
cl-15 hiraganas	1/2 af				1/4 af														1/4 be	ruby hang	ruby hang	1/4 be	1/4 be		1/4 be							
cl-16 katakanas	1/2 af				1/4 af														1/4 be	n. 7	n. 7	1/4 be	1/4 be		1/4 be							
cl-19 ideographic characters	1/2 af				1/4 af														1/4 be			1/4 be	1/4 be		1/4 be							
cl-20 characters as reference marks	1/2 af				1/4 af																											
cl-21 ornamented character complex	1/2 af				1/4 af				1/4 af	1/4 af	1/4 af				1/4 af	1/4 af	1/4 af		n. 9	1/4 af hang	1/4 af hang					1/4 be		1/4 af		1/4 af		
cl-22 simple-ruby character complex	1/2 af hang	ruby hang			1/4 af hang	ruby hang	ruby hang	ruby hang		n. 7	n. 7			n. 8	ruby hang	n. 7			1/4 be hang	n. 10		1/4 be hang	1/4 be hang		1/4 be hang		1/4 be hang		×			
cl-23 jukugo-ruby character complex	1/2 af hang	ruby hang			1/4 af hang	ruby hang	ruby hang	ruby hang		n. 7	n. 7			n. 8	ruby hang	n. 7			1/4 be hang		n. 11	1/4 be hang	1/4 be hang		1/4 be hang		1/4 be hang		×			
cl-24 grouped numerals	1/2 af				1/4 af				1/4 af	1/4 af	1/4 af				1/4 af	1/4 af	1/4 af				1/4 af hang	1/4 af hang		1/4 be			1/4 be		1/4 af			
cl-25 unit symbols	1/2 af				n. 12				1/4 af	1/4 af	1/4 af				1/4 af	1/4 af	1/4 af				1/4 af hang	1/4 af hang	1/4 be				1/4 be		1/4 af			
cl-26 Western word space	1/2 af				1/4 af																									n. 13		n. 13
cl-27 Western characters	1/2 af				1/4 af				1/4 af	1/4 af	1/4 af				1/4 af	1/4 af	1/4 af				1/4 af hang	1/4 af hang		1/4 be			1/4 be		1/4 af			
cl-28 warichu opening brackets		×	×	×	×	×	×		n. 14	n. 15	n. 16								×		×	×			n. 13		×	×			×	
cl-29 warichu closing brackets	1/2 af				1/4 af															1/4 af			1/4 af	1/4 af		1/4 af		×				
cl-30 characters in tatechuyoko	1/2 af				1/4 af															1/4 be			1/4 be	1/4 be		1/4 be						
line head	n. 17	×	×	×	×	×	×		n. 14	n. 15	n. 16								×									×		×		

Table 2 Possibility of separation between characters

character classes name		after																												
		cl-01	cl-02	cl-03	cl-04	cl-05	cl-06	cl-07	cl-08	cl-09 n. 1	cl-10 n. 2	cl-11 n. 3	cl-12	cl-13	cl-14	cl-15	cl-16	cl-19	cl-20	cl-21	cl-22	cl-23	cl-24	cl-25	cl-26	cl-27	cl-28	cl-29	cl-30	
before	cl-01 opening brackets	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	×	not	
	cl-02 closing brackets		not	not	not	not	not	not		not	not	not							not										not	
	cl-03 hyphens		not	not	not	not	not	not		not	not	not							not										not	
	cl-04 dividing punctuation marks		not	not	not	not	not	not		not	not	not			n. 4				not										not	
	cl-05 middle dots		not	not	not	not	not	not		not	not	not							not										not	
	cl-06 full stops		not	not	not	not	not	not		not	not	not							not										not	
	cl-07 commas		not	not	not	not	not	not		not	not	not							not										not	
	cl-08 inseparable characters		not	not	not	not	not	not	n. 5	not	not	not							not										not	
	cl-09 iteration marks		not	not	not	not	not	not		not	not	not							not										not	
	cl-10 prolonged sound marks		not	not	not	not	not	not		not	not	not							not										not	
	cl-11 small kanas		not	not	not	not	not	not		not	not	not							not										not	
	cl-12 prefixed abbreviations	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not	×	not
	cl-13 postfix abbreviations		not	not	not	not	not	not		not	not	not							not										not	
	cl-14 fulwidth ideographic space		not	not	not	not	not	not		not	not	not							not										not	
	cl-15 hiraganas		not	not	not	not	not	not		not	not	not							not										not	
	cl-16 katakanas		not	not	not	not	not	not		not	not	not							not										not	
	cl-19 ideographic characters		not	not	not	not	not	not		not	not	not							not										not	
	cl-20 characters as reference marks		not	not	not	not	not	not		not	not	not							not										not	
	cl-21 ornamented character complex		not	not	not	not	not	not		not	not	not							not	n. 6									not	
	cl-22 simple-ruby character complex		not	not	not	not	not	not		not	not	not							not		n. 7								×	
	cl-23 jukugo-ruby character complex		not	not	not	not	not	not		not	not	not							not			n. 8							×	
	cl-24 grouped numerals		not	not	not	not	not	not		not	not	not		n. 9					not				not			n. 10			not	
	cl-25 unit symbols		not	not	not	not	not	not		not	not	not							not						not		not		not	
	cl-26 Western word space		not	not	not	not	not	not		not	not	not							not										not	
	cl-27 Western characters		not	not	not	not	not	not		not	not	not		n. 11					not					not	not		n. 12		not	
	cl-28 warichu opening brackets	not	×	×	×	×	×	×	not	×	×	×	not	not	not	not	not	not	×	not	×	×	not	not	×	not	×	×	not	
	cl-29 warichu closing brackets		not	not	not	not	not	not		not	not	not							not										×	
	cl-30 characters in tatechuyoko		not	not	not	not	not	not		not	not	not							not									not	n. 13	

Table 3 Positions which allow for line adjustment by interletter space-reduction

character classes name	after																														
	cl-01	cl-02	cl-03	cl-04	cl-05	cl-06	cl-07	cl-08	cl-09	cl-10	cl-11	cl-12	cl-13	cl-14	cl-15	cl-16	cl-19	cl-20	cl-21	cl-22	cl-23	cl-24	cl-25	cl-26	cl-27	cl-28	cl-29	cl-30	line end		
cl-01 opening brackets					1/4-0																								×	×	
cl-02 closing brackets	1/2-0		1/2-0	1/2-0	1/4-0			1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0		1/2-0	1/2=0		
cl-03 hyphens	1/2-0				1/4-0																										
cl-04 dividing punctuation marks	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8						
cl-05 middle dots	1/4-0	1/4-0	1/4-0	1/4-0	n. 1	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0		1/4-0	1/4-0	1/4-0	1/4-0	n. 5		
cl-06 full stops	1/2		1/2	1/2	n. 2			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2=0		
cl-07 commas	1/2-0		1/2-0	1/2-0	n. 3			1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0	1/2-0	1/2=0		
cl-08 inseparable characters	1/2-0				1/4-0																										
cl-09 iteration marks	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8						
cl-10 prolonged sound marks	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8						
cl-11 small kanas	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8						
cl-12 prefixed abbreviations	1/2-0				1/4-0																							×	×		
cl-13 postfix abbreviations	1/2-0				1/4-0																										
cl-14 fulwidth ideographic space					1/4-0																										
cl-15 hiraganas	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8					
cl-16 katakanas	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8					
cl-19 ideographic characters	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8					
cl-20 characters as reference marks	1/2-0				1/4-0																										
cl-21 ornamented character complex	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8			1/4-1/8	1/4-1/8					1/4-1/8		1/4-1/8			
cl-22 simple-ruby character complex	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		×				
cl-23 jukugo-ruby character complex	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		×				
cl-24 grouped numerals	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8			1/4-1/8	1/4-1/8		1/4			1/4-1/8		1/4-1/8			
cl-25 unit symboles	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8			1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8		1/4-1/8			
cl-26 Western word space																												n. 4		n. 4	
cl-27 Western characters	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8			1/4-1/8		1/4-1/8			
cl-28 warichu opening brackets		×	×	×	×	×	×		×	×	×								×		×	×			n. 4		×	×		×	
cl-29 warichu closing brackets	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		×				
cl-30 characters in tatechuyoko	1/2-0				1/4-0														1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8						
line head		×	×	×	×	×	×		×	×	×								×							n. 4		×		×	

Table 4 Positions which allow for line adjustment by interletter space-reduction (The example that it followed the regulation of JIS X 4051)

character classes name	after																										line end		
	cl-01	cl-02	cl-03	cl-04	cl-05	cl-06	cl-07	cl-08	cl-09	cl-10	cl-11	cl-12	cl-13	cl-14	cl-15	cl-16	cl-19	cl-20	cl-21	cl-22	cl-23	cl-24	cl-25	cl-26	cl-27	cl-28		cl-29	cl-30
cl-01 opening brackets					1/4-0																							×	×
cl-02 closing brackets	1/2-0		1/2-0	1/2-0	1/4-0			1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0			1/2-0
cl-03 hypens	1/2-0				1/4-0																								
cl-04 dividing punctuation marks	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8			
cl-05 middle dots	1/4-0	1/4-0	1/4-0	1/4-0	n. 1	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0	1/4-0		1/4-0	1/4-0	1/4-0	1/4-0	
cl-06 full stops	1/2		1/2	1/2	n. 2			1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2
cl-07 commas	1/2-0		1/2-0	1/2-0	n. 3			1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0	1/2-0	1/2-0		1/2-0	1/2-0	1/2-0	1/2-0	
cl-08 inseparable characters	1/2-0				1/4-0																								
cl-09 iteration marks	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8			
cl-10 prolonged sound marks	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8			
cl-11 small kanas	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8			
cl-12 prefixed abbreviations	1/2-0				1/4-0																							×	×
cl-13 postfix abbreviations	1/2-0				1/4-0																								
cl-14 fulwidth ideographic space					1/4-0																								
cl-15 hiraganas	1/2-0				1/4-0																1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		
cl-16 katakanas	1/2-0				1/4-0																1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		
cl-19 ideographic characters	1/2-0				1/4-0																1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		
cl-20 characters as reference marks	1/2-0				1/4-0																								
cl-21 ornamented character complex	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8				1/4-1/8		1/4-1/8	
cl-22 simple-ruby character complex	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		×	
cl-23 jukugo-ruby character complex	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		×	
cl-24 grouped numerals	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8		1/4		1/4-1/8		1/4-1/8	
cl-25 unit symboles	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8			1/4-1/8		1/4-1/8	
cl-26 Western word space																												n. 4	n. 4
cl-27 Western characters	1/2-0				1/4-0				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8	1/4-1/8				1/4-1/8	1/4-1/8		1/4-1/8		1/4-1/8		1/4-1/8	
cl-28 warichu opening brackets		×	×	×	×	×	×		×	×	×								×		×	×			n. 4		×	×	×
cl-29 warichu closing brackets	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8		×	
cl-30 characters in tatechuyoko	1/2-0				1/4-0															1/4-1/8			1/4-1/8	1/4-1/8		1/4-1/8			
line head		×	×	×	×	×	×		×	×	×								×							n. 4		×	×

Table 6 Positions which allow for line adjustment by interletter space-addition

character classes name	after																													
	cl-01	cl-02	cl-03	cl-04	cl-05	cl-06	cl-07	cl-08	cl-09 n. 1	cl-10 n. 2	cl-11 n. 3	cl-12	cl-13	cl-14	cl-15	cl-16	cl-19	cl-20	cl-21	cl-22	cl-23	cl-24	cl-25	cl-26	cl-27	cl-28	cl-29	cl-30		
cl-01 opening brackets																													×	
cl-02 closing brackets																														
cl-03 hyphens																														
cl-04 dividing punctuation marks																				1/4-1/2			1/4-1/2	1/4-1/2		1/4-1/2				
cl-05 middle dots																														
cl-06 full stops																														
cl-07 commas																														
cl-08 inseparable characters								n. 4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4	1/4	1/4				1/4	1/4	1/4		
cl-09 iteration marks									1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	1/4		
cl-10 prolonged sound marks									1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	1/4		
cl-11 small kanas									1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	1/4		
cl-12 prefixed abbreviations								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4	1/4	1/4		1/4		1/4	1/4	×	1/4	
cl-13 postfix abbreviations								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4		
cl-14 fulwidth ideographic space																														
cl-15 hiraganas								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	1/4		
cl-16 katakanas								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	1/4		
cl-19 ideographic characters								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	1/4		
cl-20 characters as reference marks								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4		
cl-21 ornamented character complex								1/4	1/4-1/2	1/4-1/2	1/4-1/2	1/4	1/4		1/4-1/2	1/4-1/2	1/4-1/2			n. 5	1/4-1/2	1/4-1/2	1/4	1/4		1/4	1/4	1/4-1/2		
cl-22 simple-ruby character complex								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	n. 6	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	×	1/4	
cl-23 jukugo-ruby character complex								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	n. 7	1/4-1/2	1/4-1/2		1/4-1/2	1/4	×	1/4	
cl-24 grouped numerals								1/4	1/4-1/2	1/4-1/2	1/4-1/2	1/4	n. 8		1/4-1/2	1/4-1/2	1/4-1/2			1/4	1/4-1/2	1/4-1/2				n. 9	1/4-1/2	1/4-1/2		
cl-25 unit symboles								1/4	1/4-1/2	1/4-1/2	1/4-1/2	1/4	1/4		1/4-1/2	1/4-1/2	1/4-1/2			1/4	1/4-1/2	1/4-1/2					1/4-1/2	1/4-1/2		
cl-26 Western word space																														
cl-27 Western characters								1/4	1/4-1/2	1/4-1/2	1/4-1/2	1/4	n. 10		1/4-1/2	1/4-1/2	1/4-1/2			1/4	1/4-1/2	1/4-1/2				n. 11	1/4-1/2	1/4-1/2		
cl-28 warichu opening brackets		×	×	×	×	×	×		×	×	×									×		×	×			×		×	×	
cl-29 warichu closing brackets								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4	×	1/4	
cl-30 characters in tatechuyoko								1/4	1/4	1/4	1/4	1/4	1/4		1/4	1/4	1/4			1/4-1/2	1/4	1/4	1/4-1/2	1/4-1/2		1/4-1/2	1/4		n. 12	