

Starting from the following 10×10 proximity-relation $R(0)$, apply the algorithm above. Assume now $\alpha = 0.35$.

	а	б	в	г	д	е	ё	ж	з	и	й	к	л	м	н	о	п	р	с	т	у	ф	х	ц	ч	ш	щ	ь	ы	ъ	э	ю	я
а	1																																
б	0.4	1																															
в	0	0.4	1																														
г	0	0	0.1	1																													
д	0.1	0	0.2		1																												
е	0.3	0	0.3	0	0.3	1																											
ё	0.2	0	0.2	0	0.2	0.9	1																										
ж	0	0	0	0.1	0	0	0	1																									
з	0.1	0.2	0.6	0	0	0.3	0.2	0	1																								
и	0	0	0	0.2	0	0	0	0.3	0	1																							
й	0	0	0	0.1	0	0	0.3	0	0	0.9	1																						
к	0.1	0	0.4	0.1	0.1	0.3	0.2	0.3	0	0.1	0	1																					
л	0	0	0	0.2	0.4	0	0	0.1	0	0.1	0	0	1																				
м	0	0	0	0.1	0	0	0	0.3	0	0.4	0.2	0.2	0.4	1																			
н	0	0	0.1	0.1	0.2	0	0	0.1	0	0.1	0	0.3	0.2	0.4	1																		
о	0.5	0.5	0.4	0	0.2	0.2	0.1	0	0.1	0	0	0	0	0	0	1																	
п	0	0	0	0.4	0.3	0	0	0	0	0.4	0.2	0.1	0.6	0.1	0.5	0.2	1																
р	0	0.1	0.3	0.1	0	0	0	0	0	0	0	0	0	0	0	0.5	0	1															
с	0	0.3	0.1	0.4	0	0.6	0.5	0.1	0	0	0	0.3	0	0	0	0.5	0	0	1														
т	0	0	0	0.6	0	0.1	0	0	0.1	0	0	0.1	0.2	0	0.1	0	0.1	0	0.1	1													
у	0	0	0	0	0	0	0	0.2	0	0.1	0	0.2	0.1	0	0	0	0	0.1	0	0	0	1											
ф	0.1	0.1	0.1	0	0	0.1	0.1	0.2	0	0	0	0	0	0	0	0.1	0	0.6	0	0	0.1	1											
х	0	0	0	0.2	0	0	0	0.5	0	0.1	0	0.4	0	0	0	0.1	0	0	0	0	0.6	0.1	1										
ц	0	0	0	0.1	0.1	0	0	0.1	0	0.2	0.1	0	0	0	0.1	0	0.1	0	0	0	0	0	0	1									
ч	0	0	0	0.2	0.1	0	0	0.1	0	0.1	0	0	0	0	0	0.4	0	0	0	0.1	0	0.1	0	0	1								
ш	0	0	0	0.1	0	0	0	0.2	0	0.1	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1	1							

[illegible]

By repeating $R(n+1) = R(n) \circ R(n)$ till $R(n) = R(n+1)$. In this way, similarity-relation $R(n)$ will be calculated as:

[illegible]

т	0.3	0.1	0.2	0.6	0.3	0.1	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.2	0.1	1														
у	0.4	0.2	0.2	0.2	0.1	0.3	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.1	0.1	0.3	0.1	0.2	0.1	1													
ф	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.6	0.1	0.2	0.1	1												
х	0.1	0.1	0.3	0.2	0.1	0.2	0.2	0.5	0.4	0.1	0.3	0.4	0.2	0.2	0.3	0.1	0.2	0.1	0.2	0.2	0.6	0.1	1											
ц	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.5	0.2	0.1	0.1	0.1	0.4	0.1	0.4	0.1	0.2	0.3	0.1	0.1	0.2	0.1	1										
ч	0.2	0.2	0.1	0.2	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.4	1									
ш	0.3	0.1	0.1	0.1	0.2	0.5	0.5	0.2	0.2	0.1	0.1	0.3	0.1	0.1	0.2	0.3	0.2	0.3	0.2	0.2	0.1	0.3	0.1	0.1	0.1	1								
щ	0.1	0.4	0.3	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.3	0.2	0.1	0.2	0.3	0.1	0.2	0.1	0.2	0.3	0.2	0.9	1							
ъ	0.1	0.5	0.5	0.3	0.2	0.1	0.1	0.4	0.3	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.3	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1						
ы	0.2	0.5	0.1	0.4	0.1	0.1	0.3	0.2	0.1	0.3	0.4	0.2	0.1	0.1	0.4	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.5	1					
ь	0.3	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.3	0.3	0.2	0.1	0.4	0.2	0.4	0.2	0.1	0.1	0.1	0.3	0.1	0.3	0.1	0.9	0.3	1				
э	0.4	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.3	0.1	0.2	0.1	0.2	0.2	1			
ю	0.5	0.1	0.1	0.2	0.4	0.1	0.1	0.3	0.4	0.1	0.3	0.1	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.4	0.1	0.1	1		
я	0.1	0.1	0.6	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.4	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.2	0.1	0.1	1	

Now apply [1.] and [2.]

[illegible]

$$I = I/C_1 = \{1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33\}$$

$$C_2 = \{11, 10\}$$

$$I = I/C_2 = \{1, 2, 3, 4, 5, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33\}$$

$$C_3 = \{26, 27, 5\}$$

$$I = I/C_3 = \{1, 2, 3, 4, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, 29, 30, 31, 32, 33\}$$

$$C_4 = \{30, 28\}$$

$$I = I/C_4 = \{1, 2, 3, 4, 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 29, 31, 32, 33\}$$

$$C_5 = \{17, 13, 1\}$$

$$I = I/C_5 = \{2, 3, 4, 8, 9, 12, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 29, 31, 32, 33\}$$

$$C_6 = \{20, 4\}$$

$$I = I/C_6 = \{2, 3, 8, 9, 12, 14, 15, 16, 18, 19, 21, 22, 23, 24, 25, 29, 31, 32, 33\}$$

$$C_7 = \{22, 18\}$$

$$I = I/C_7 = \{2, 3, 8, 9, 12, 14, 15, 16, 19, 21, 23, 24, 25, 29, 31, 32, 33\}$$

$$C_8 = \{23, 21, 12, 8\}$$

$$I = I/C_8 = \{2, 3, 9, 14, 15, 16, 19, 24, 25, 29, 31, 32, 33\}$$

$$C_9 = \{19, 16, 15\}$$

$$I = I/C_9 = \{2, 3, 9, 14, 24, 25, 29, 31, 32, 33\}$$

$$C_{10} = \{25, 24\}$$

$$I = I/C_{10} = \{2, 3, 9, 14, 29, 31, 32, 33\}$$

$$C_{11} = \{29, 3, 2\}$$

$$I = I/C_{11} = \{9, 14, 31, 32, 33\}$$

$$C_{12} = \{9\}, C_{13} = \{14\}, C_{15} = \{31\}, C_{16} = \{32\}, C_{17} = \{33\}$$