



RJEŠENJA ISPITA DRŽAVNE MATURE IZ **LOGIKE**
U ŠKOLSKOJ GODINI 2021./2022. (jesenski rok)

BROJ ZADATKA	TOČAN ODGOVOR
1.1.	DA
1.2.	DA
1.3.	NE
2.1.	NE
2.2.	NE
2.3.	DA
3.1.	DA
3.2.	DA
3.3.	NE
4.1.	DA
4.2.	NE
4.3.	DA
5.1.	NE
5.2.	NE
5.3.	NE
5.4.	DA
6.1.	NE
6.2.	DA
6.3.	NE
7.1.	NE
7.2.	DA
7.3.	NE
7.4.	NE
8.1.	NE
8.2.	DA
8.3.	DA
8.4.	NE
9.1.	[3]
9.2.	[1] [6] [7]
9.3.	[3]
9.4.	[4]



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10.	<p>The diagram shows seven numbered circles (1-7) connected by curved arrows forming a cycle. Circle 1 points to circle 4. Circle 4 points to circle 6. Circle 6 points to circle 7. Circle 7 points to circle 2. Circle 2 points to circle 3. Circle 3 points to circle 1. Circle 5 is isolated from the cycle.</p>																																			
11.1.	i																																			
11.2.	n																																			
11.3.	?																																			
11.4.	i																																			
12.1.	u četvrtome retku treba pisati: 1 / op.																																			
12.2.	u petome retku treba pisati: 2 – 4 / u –																																			
12.3.	u šestome retku treba pisati: 5 / i –																																			
13.1. i 13.2.	<p>A Venn diagram with three overlapping circles labeled A, B, and C. Circle C is filled with diagonal lines. Circle A is partially filled with diagonal lines. Circle B is unfilled. An 'X' is placed at the point where all three circles overlap.</p>																																			
13.3.	svi C su A. Neki A su C.																																			
14.	Nijedan plan kojega imaju političari koji se nalaze na vlasti nije skriven od javnosti.																																			
15.	<table border="1"><thead><tr><th>A</th><th>B</th><th>C</th><th>$(A \rightarrow B) \vee \neg C$</th><th>$C \leftrightarrow (A \leftrightarrow \neg B)$</th></tr></thead><tbody><tr><td>i</td><td>i</td><td>i</td><td>i</td><td>n</td></tr><tr><td>i</td><td>n</td><td>i</td><td>n</td><td>i</td></tr><tr><td>n</td><td>n</td><td>i</td><td>i</td><td>n</td></tr><tr><td>i</td><td>i</td><td>n</td><td>i</td><td>i</td></tr><tr><td>i</td><td>n</td><td>n</td><td>i</td><td>n</td></tr><tr><td>n</td><td>n</td><td>n</td><td>i</td><td>i</td></tr></tbody></table>	A	B	C	$(A \rightarrow B) \vee \neg C$	$C \leftrightarrow (A \leftrightarrow \neg B)$	i	i	i	i	n	i	n	i	n	i	n	n	i	i	n	i	i	n	i	i	i	n	n	i	n	n	n	n	i	i
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i	i	i	i	n																																
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16.		Px	Tx	Ux																		
	a	i	i	n																		
	b	n	i	l																		
17.1.	krive potrebe																					
17.2.	potrebe																					
18.	$((N \rightarrow (H \wedge P)) \wedge (I \rightarrow (L \wedge P))) \rightarrow ((H \vee L) \wedge P)$																					
19.1.	$\exists x \forall y \neg Vxy$																					
19.2.	$\exists x (Vpx \wedge \neg Rpx)$																					
19.3.	Netko vjeruje i Petru i Miljenku.																					
19.4.	Svatko vjeruje onomu koga razumije.																					
20.	<table><tr><td>1</td><td>$A \rightarrow B$</td><td>pretp.</td></tr><tr><td>2</td><td>$B \rightarrow C$</td><td>pretp.</td></tr><tr><td>3</td><td>A</td><td>pretp.</td></tr><tr><td>4</td><td>B</td><td>1, 3/ i\rightarrow</td></tr><tr><td>5</td><td>C</td><td>2, 4/ i\rightarrow</td></tr><tr><td>6</td><td>$A \rightarrow C$</td><td>3 – 5/ u\rightarrow</td></tr></table>				1	$A \rightarrow B$	pretp.	2	$B \rightarrow C$	pretp.	3	A	pretp.	4	B	1, 3/ i \rightarrow	5	C	2, 4/ i \rightarrow	6	$A \rightarrow C$	3 – 5/ u \rightarrow
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