

5. svibnja 2022. od 10:00 do 11:30

2022 *iz informatike* **Natjecanje**

Državno natjecanje / Osnove informatike

Srednje škole

- RJEŠENJA -

Sadržaj

Rješenja zadataka	2
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Rješenja zadatka

	Rješenje	Mogući bodovi
1.	Odgovor: A	1
2.	Odgovor: B	2
3.	Odgovor: F	1
4.	Odgovor: C	1
5.	Odgovor: C	1
6.	Odgovor: D	1
7.	Odgovor: B	1
8.	Odgovor: B	1
9.	Odgovor: F	2
10.	Odgovor: A A	1 + 1
11.	Odgovor: D	1
12.	Odgovor: E	2

	Rješenje	Mogući bodovi												
13.	Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td></tr> <tr><td>6</td><td>4</td><td>3</td><td>2</td><td>5</td><td>1</td></tr> </table>	A	B	C	D	E	F	6	4	3	2	5	1	1 (6 x 0.17)
A	B	C	D	E	F									
6	4	3	2	5	1									
14.	Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>B</td><td>C</td><td>D</td></tr> <tr><td>3</td><td>4</td><td>1</td><td>2</td></tr> </table>	A	B	C	D	3	4	1	2	1 (4 x 0.25)				
A	B	C	D											
3	4	1	2											
15.	Odgovor: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>A</td><td>B</td><td>C</td><td>D</td></tr> <tr><td>1</td><td>2</td><td>3</td><td>4</td></tr> </table>	A	B	C	D	1	2	3	4	1 (4 x 0.25)				
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A	B	C	D	E										
1	3	5	4	2										
17.	Odgovor: <u> 1 </u>	2												
18.	Odgovor: a) <u> 133 </u> b) <u> 100102 </u>	1 + 1												
19.	Odgovor: <u> 14 </u>	2												
20.	Odgovor: a) <u> NaN </u> b) <u> 0 </u> ili <u> 00000000 </u> c) <u> +inf </u>	1 + 1 + 1												
21.	Odgovor: <u> 10 </u>	2												
22.	Odgovor: <u> 8:7 </u> ili <u> 8/7 </u> ili <u> 1.142857 </u> ili <u> 1,142857 </u>	2												
23.	Odgovor: <u> 4045 </u>	2												
24.	Odgovor: <u> 0 </u>	2												
25.	Odgovor: x = <u> 9 </u> , z = <u> 5 </u>	1 + 1												
26.	Odgovor: <u> X=100111 Y=101111 </u>	1 + 1												
27.	Odgovor: a) <u> 2 3 7 1 - * + 5 - </u> b) <u> x + y * (z - w) + 10 / x </u> ili <u> x+y*(z-w)+10/x </u>	1 + 1												
28.	Odgovor: <u> 16588800 </u>	2												

29.	Odgovor: A E	1 (točan +0.5, netočan -0.33)				
30.	Odgovor: A D	1 (točan +0.5, netočan -0.33)				
31.	Odgovor: E F	1 (točan +0.5, netočan -0.25)				
32.	Odgovor: D E	1 (točan +0.5, netočan -0.33)				
33.	Test primjeri: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>input: GR 2957-XY output: DA</td> <td>input: GR 9471-XY output: NE</td> </tr> </table>	input: GR 2957-XY output: DA	input: GR 9471-XY output: NE	1 + 1		
input: GR 2957-XY output: DA	input: GR 9471-XY output: NE					
34.	Test primjeri: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>input: 3 KA 1540-XY VT 2039-XY SK 3160-XY output: 2</td> <td>input: 4 KT 5247-XY DU 3825-XY VA 5586-XY OS 8900-XY output: 2</td> </tr> <tr> <td>input: 1 RI 5890-XY output: 1</td> <td>input: 3 VA 6000-XY KT 5241-XY DU 3811-XY output: 0</td> </tr> </table>	input: 3 KA 1540-XY VT 2039-XY SK 3160-XY output: 2	input: 4 KT 5247-XY DU 3825-XY VA 5586-XY OS 8900-XY output: 2	input: 1 RI 5890-XY output: 1	input: 3 VA 6000-XY KT 5241-XY DU 3811-XY output: 0	1 + 1 + 1 + 1
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