



Državno natjecanje

7. razred

5. listopada 2020.

Službeni testni primjeri

Zadatak **Jordan**

| | Primjer | Slika | Bodovi |
|--------|-------------------------|--------------|---------------|
| Test 1 | CS JORDAN 100 100 0 0 | Jordan_1.bmp | 6 |
| Test 2 | CS JORDAN 80 50 0 0 | Jordan_2.bmp | 6 |
| Test 3 | CS JORDAN 60 100 10 0 | Jordan_3.bmp | 6 |
| Test 4 | CS JORDAN 120 200 50 10 | Jordan_4.bmp | 6 |
| Test 5 | CS JORDAN 100 160 70 15 | Jordan_5.bmp | 6 |

Zadatak **Spork**

| | Primjer | Slika | Bodovi |
|---------|------------------|--------------|---------------|
| Test 1 | SPORK 100 10 0 | Spork_1.bmp | 4 |
| Test 2 | SPORK 120 60 0 | Spork_2.bmp | 4 |
| Test 3 | SPORK 100 50 1 | Spork_3.bmp | 4 |
| Test 4 | SPORK 150 140 1 | Spork_4.bmp | 4 |
| Test 5 | SPORK 181 3 1 | Spork_5.bmp | 4 |
| Test 6 | SPORK 181 160 3 | Spork_6.bmp | 4 |
| Test 7 | SPORK 200 160 10 | Spork_7.bmp | 4 |
| Test 8 | SPORK 150 120 8 | Spork_8.bmp | 4 |
| Test 9 | SPORK 100 50 2 | Spork_9.bmp | 4 |
| Test 10 | SPORK 100 60 6 | Spork_10.bmp | 4 |

Zadatak Pizza

| | Primjer | Izlaz | Bodovi |
|---------|---|-------|--------|
| Test 1 | PR PIZZA [[50 A x y z]] [[10 x][10 y][10 z]] [[10 A]] [] | 200 | 6 |
| Test 2 | PR PIZZA [[50 A x y z][30 B d e f]] [[10 x][10 y][10 z][10 d][10 e][5 f]] [[10 A][10 B]] [] | 250 | 6 |
| Test 3 | PR PIZZA [[50 A x y z][30 B d e f]] [[10 x][10 y][10 z][10 d][10 e][5 f]] [[10 A][10 B]] [[15 x y]] | 300 | 6 |
| Test 4 | PR PIZZA [[50 A x y z][30 B d e f]] [[10 x][10 y][10 z][10 d][10 e][5 f]] [[10 A][10 B]] [[15 x y][20 d e f]] | 350 | 6 |
| Test 5 | PR PIZZA [[50 A x y z][30 B d e f]] [[10 x][10 y][10 z][10 d][10 e][5 f]] [[10 A][10 B]] [[7 x d][7 y e][7 z f]] | 590 | 6 |
| Test 6 | PR PIZZA [[50 B x y z][30 A x y z]] [[20 x][10 y][5 z]] [[10 A][20 B]] [[15 x z]] | 550 | 6 |
| Test 7 | PR PIZZA [[50 A x][40 B x y][30 C y z][20 D z w]] [[3 x][4 y][5 z][6 w]] [[3 A][4 B][5 C]] [[5 x w][2 y z]] | 413 | 6 |
| Test 8 | PR PIZZA [[10 A x][15 B x y][17 C y z][27 D z w]] [[3 x][4 y][5 z][6 w]] [[3 A][4 B][5 C]] [[5 x w][2 y z]] | 128 | 6 |
| Test 9 | PR PIZZA [[20 ABC a b c][40 DEF d e f][80 GHI g h i]] [[7 a][7 b][5 c][13 d][13 e][13 f][26 g][26 h][27 i]] [[10 ABC][20 DEF][10 GHI]] [[1 a b c d e f g h i]] | 1400 | 6 |
| Test 10 | PR PIZZA [[20 ABC a b c][40 DEF d e f][80 GHI g h i]] [[7 a][7 b][5 c][13 d][13 e][13 f][26 g][26 h][27 i]] [[10 ABC][20 DEF][10 GHI]] [[1 a b][10 c h e][3 f d i]] | 1010 | 6 |

Zadatak Vrt

| | Primjer | Slika | Izlaz | Bodovi |
|--------|--|-----------|--|--------|
| Test 1 | SHOW VRT 400 [[-182 -49 16]] | Vrt_1.bmp | [18] | 7 |
| Test 2 | SHOW VRT 400 [[143 -85 23] [-44 129 35]] | Vrt_2.bmp | [57 71] | 7 |
| Test 3 | SHOW VRT 400 [[-55 9 38] [-4 -165 63] [189 75 26] [-151 144 17]] | Vrt_3.bmp | [116.653252307342 35 11 49] | 7 |
| Test 4 | SHOW VRT 400 [[-178 -185 98] [-29 -4 49] [117 -66 36] [134 -107 22] [-17 -119 88] [-150 -66 91] [164 -55 53]] | Vrt_4.bmp | [15 41.3547095082069 19.5249735685977 24.8597084737466 74.2696823820859 50 28.745099975991] | 7 |
| Test 5 | SHOW VRT 400 [[91 -56 53] [-135 157 92] [-50 171 68] [176 -45 83] [76 44 10] [41 24 11] [158 -181 53] [-174 132 65] [-183 110 80] [-181 -151 77] [123 -141 64]] | Vrt_5.bmp | [56.6732765736031 35.6695436867701 29 24 19.1958517816632 21.1154369598295 19 10.6553956008318 13.1143330471776 19 34.1507290636732] | 7 |
| Test 6 | SHOW VRT 400 [[168 108 64] [142 51 40] [-44 25 1] [100 48 92] [-37 -113 75] [170 189 89] [-146 -125 17] [113 -2 13] [-2 -140 77] [-98 94 17] [65 8 61] [-54 48 26] [-148 -63 99] [-74 -98 48] [-82 10 63] [-65 -143 48]] | Vrt_6.bmp | [32 12.7596989523802 7.44096072664336 29.3473075904744 21.8112198407569 11 10.0322496770833 22.3150578218835 22.3928523698438 49.866062671522 23.8034214731988 13.7892591798362 52 18.1137097145973 33.4124357049876 19.2253492166095] | 7 |
| Test 7 | SHOW VRT 400 [[27 15 75] [81 28 62] [-75 -30 58] [-5 -25 51] [-80 -172 72] [-49 186 31] [33 -36 65] [28 -18 34] [65 -97 89] [180 -157 75] [-151 -184 | Vrt_7.bmp | [26.6298429998841 27.0675247966373 18.4554726065925 24.5951508995787 28 14 14.5735666329029 | 7 |

| | | | | |
|--------|--|-----------|---|---|
| | 92] [-41 -16 17] [36 -16 74] [-13 147 2] [7 -87 84] [171 140 9] [108 91 95] [-94 -9 31] [-65 68 25] [-27 -111 12]] | | 2.59602946798149 30.2783946425672 20 16 12.5127997309803 5.65018178325383 22.1621323167282 28.5773612356814 29 41.4744331561378 9.86413191042012 72.4158778124767 13.0399428576882] | |
| Test 8 | SHOW VRT 400 [[1 -163 66] [39 172 43] [2 -20 77] [-174 -130 40] [53 95 51] [159 -132 81] [25 -55 96] [122 101 11] [-45 4 4] [-62 189 22] [102 131 84] [38 107 54] [-122 -83 61] [98 14 32] [-24 -34 92] [-29 -172 52] [9 9 63] [105 159 77] [-127 146 51] [-100 -58 6] [2 -147 16] [86 79 58] [157 -77 65] [187 5 55] [-131 47 71]] | Vrt_8.bmp | [12.9031767044411 28 13.4543358063665 26 9.33026674597358 30.5338663115391 28.4264473763773 14.8460713236471 27.3412763780846 11 14.6923073116474 9.87910596632497 30.3194141530194 38.754436582832 16.0753103141003 18.4177428222905 16.3785319739861 13.4679483690101 41.4190125535814 2.98223745767404 3.12804283744027 27.3439748958109 24.5024853117289 13 57.6617625745937] | 7 |
| Test 9 | SHOW VRT 400 [[-184 96 83] [-93 -16 3] [85 -186 32] [37 -159 70] [-67 116 72] [-55 -103 81] [-40 82 19] [-97 173 1] [-105 0 39] [58 131 77] [-2 -58 17] [-124 -24 78] [-150 -119 59] [146 -19 19] [-163 -157 98] [-118 162 34] [-5 27 1] [106 71 73] [135 33 54] [-40 -6 32] [178 -131 32] [183 -175 42] [105 -22 68] [-75 -164 35] [-103 -7 24] [-183 -50 42] [11 146 65] [4 30 95] [70 -117 44] [166 116 58]] | Vrt_9.bmp | [16 7.77048421086804 14 32.7977517640405 34.3515850751352 44.8258297069664 9.06500161704958 0.677329690921697 4.50673469336413 26.7523949727574 22.344580995737 24.2451369762962 15.0927904720174 8.97796071335161 25.069380784029 23.0292094913377 | 7 |

| | | | | |
|------------|---|----------------|---|---|
| | | | 0.0988211768802618 27.4765525479795 20.325121062889 42.0603877566814 22 17 32.1316488688373 19.3691856758497 2.77337519591639 17 22.5831905614186 9.38801180362488 20.615729680254 34] | |
| Test 10 | SHOW VRT 400 [[-156 -169 88] [75 44 4] [75 105 14] [171 0 26] [181 24 33] [-123 189 49] [-127 105 83] [-120 -83 61] [-123 -52 28] [118 -33 41] [-56 -132 94] [-34 -120 9] [-145 178 41] [-180 -136 97] [-152 -77 48] [-93 51 66] [-138 -8 28] [14 2 47] [-108 107 83] [110 -155 78] [-170 175 56] [63 -82 75] [-184 44 18] [165 49 69] [110 112 2] [14 -22 43] [-68 -100 61] [118 -91 28] [-169 106 66] [-59 -136 34]] | Vrt_10.bm p | [20.8044115262063 29.7685054792442 31.2314945207558 16.3971151249286 9.60288487507142 11 9.5524865872714 18.220331309396 12.9244916953989 33.0801987250656 3.671875 8.94202586536192 10.6428208410841 20 14.3373098828034 48.4216455752716 25.780780261085 12.5333333333333 9.5524865872714 45 14.5365357829442 40.5811887177459 16 20.0787592842402 4.46164207439369 11.4666666666667 30.5041399812701 15.1503104546252 31 1.328125] | 7 |