

DRŽAVNO NATJECANJE 2004.
OSNOVNE ŠKOLE BASIC/PASCAL
II. podskupina (7. i 8. razredi)

Primjeri za koje program ne ispiše rješenje u vremenu do 10 sekundi neće se bodovati.

Ako se kod testiranja pojavi sintaktička pogreška, rješenje nosi 0 bodova.

Ukoliko se unosi više ulaznih podataka u istom redu, oni će biti razdvojeni sukladno pravilima programskog jezika u kojemu se rješava: , (zarezom) u Basicu i [SPACE] (razmakom) u Pascalu.

Zadatke i test primjere izradili su *Marin Luetić, dipl. ing., Predrag Brođanac, dipl. ing., Mladen Kolar i Damir Tubin.*

| Test primjeri 1. zad. (II. pod.) | | MOBITEL | 35 bodova |
|----------------------------------|--|---------|-----------|
| Test br. | ULAZ | IZLAZ | BODOVI |
| 1 | Y | 3 | 3 |
| 2 | YVLRO | 15 | 5 |
| 3 | PPTHCKRSBEOFNYMFNKVVVTFHXWFBTAZWFLROSADWZ FMTYAXNMP | 117 | 5 |
| 4 | YDXQDUSWBNIQXAEKISVYZFBEMROAFPPBBEQQFWEJV BCRFROZLWTLCAARMKSHOQKFTAWCQPPAOCRJMCIOIU IAVAEMRZUUTSHHQGNB | 232 | 5 |
| 5 | CRZXNOVCODCZBHOQSZVGRIZDDQPIRAMXEXULPMVBS NTTENVMTPNNUZRRBENTOPTRIJNTVIIHDOFXBWXTM VFSEWJITYBIAMAQJWH | 229 | 5 |
| 6 | AA AA AA | 239 | 6 |
| 7 | ZDUFARWPACTKKTRYLSUZEGCBEXBHMCEMXJHQZSG XUCLZQVESNMISKTHYTBBSNKQLKGSTIIHORQWDUWJ ZPTYCVQRRDIAXMLHJPSLLXFOTQOXOFJGCMTALI | 279 | 6 |
| UKUPNO BODOVA | | | 35 |

| | | |
|----------------------------------|--------|-----------|
| Test primjeri 2. zad. (II. pod.) | RIJECI | 65 bodova |
|----------------------------------|--------|-----------|

| Test br. | ULAZ | IZLAZ | BODOVI |
|---------------|---|-------|--------|
| 1. | n n | 0 | 6 |
| 2. | rgfmp fprmg | 6 | 7 |
| 3. | opoorycglndrxujuaajtmfhihwiwshwltuyuysovvuglbe pdnp rrixewjgonpgyufspwolfuooawnvchtsydlyjhpivlmbou tdul | 373 | 7 |
| 4. | muuwqkfwxmvtkenpudvqhfamrvklzgbipuzfzvzxmnbob bnnmniprqpvdzqunjxhodwrhguaxa muuwqkfwxmvtkenpudvqhfamrvklzgbipuzfzvzxmnbob onnmniprpvgdzqunjxhodwrhguaxa | 9 | 8 |
| 5. | yvapgzcncjlsxookqjnflihihfbcfoalfrjekpzbtiaj pqfbwvonaemmdoupqfpopkjzpdjysnijmehtguwpifpmm dkawdtxw jdfmjagfziawpyfjrfmfidwznjmdospipypjoplfpngcpt hskoofejhavbmzekqxmknkituqcbxodjvtonkuwiblalcq uncwhpep | 1681 | 8 |
| 6. | mwlheipqmcalfjkyvktmiilmqtaizwvgvixzgyodwkqppaz sdhajybtpcihaaqyhidqsjvccybusmfykebiuzgscibynj grvkeeeqeirtdaterfnnoxdfdmvnbtppepqodvwhbopyfdl gdgldzglggt edeehtqgchepzmacyvqjbotdjgbdgnysbfbkthidvzrydp qieknavnwpxqbtvktupuyrisvcfbfolgfmdezenwmfipji yilodyhkzhwicillvgworykagespyjxdsiqwdpcitezaaq glmdqgatgbav | 2910 | 9 |
| 7. | uktutoqpprouabszpytjlygjxcxdlniofibexnzqlvupuq wekygqejqkmdxsowsvzbjrrcepcyyzijnlkhsqvhtjns vgqfeixdhbdwoxiwcwnneqtmgndouctmniyowfscihxqwg hzcxcvzfdtpeubynugqwsxjsibcfzmhryjzoslacgphtet qryjygtentmkhoirt qniqqquwhxdmanwftlryhydehobzpsffuuzdwkctoexogq cxehkswmgpohmgmzligubqyktwintnxjbrjsyeucwpduri ownsbtckvmdyzrtjzhsilvqmtxbotqvsxeiyygoleqpuhy ycqeiyzckxijtpjsccptxchbnjjuffnrjajwyejcgvevl qptnqdnogxgsozn | 4152 | 9 |
| 8. | aaaaaaaaabbbbbbbccccccccddddddeeeeeefffffff fffffgggggggggghhhhhhhhhhhiiiiiiiiiiijjjjjjj jjjkkkkkkkkkkkl1111111111mmmmmmmmmmnnnnnnnnno oooooooooppppppppprrrrrrrrrrqqqqqqqqqqttttttt ttssssssssssvvvvv vvvvvssssssssstttttttttqqqqqqqqqqrrrrrrrrrrppp ppppppppooooooooonnnnnnnnnnnmmmmmmmmmmll1111111 llkkkkkkkkkkjjjjjjjjjjiiiiiiiiiihhhhhhhhhh gggggggggggfffffffeeeeeddddddcccccccc bbbbbbbaaaaaaa | 19022 | 11 |
| UKUPNO BODOVA | | | 65 |

| Test br. | ULAZ | IZLAZ | BODOVI |
|----------|--|-------|-----------|
| 1. | 1 5 6 | 5 | 4 |
| 2. | 2 4 3 7 | 7 | 5 |
| 3. | 2 3 4 -2 | -1 | 6 |
| 4. | 2 6 5 21 | 30 | 6 |
| 5. | 3 3 7 5 38 | 38 | 9 |
| 6. | 5 8 5 8 5 5 1 | 1 | 10 |
| 7. | 4 1 3 5 7 37 | 38 | 12 |
| 8. | 7 3 4 5 6 7 8 9 -450 | -450 | 14 |
| 9. | 9 9 8 7 6 5 4 3 2 1 2904 | 2904 | 15 |

| | | | |
|----------------------|---|---------|------------|
| 10. | 9 10 9 10 8 10 10 7 9 9 -453680 | -453680 | 19 |
| UKUPNO BODOVA | | | 100 |

| Test br. | ULAZ | IZLAZ | BODOVI |
|---------------|---|---------|--------|
| 1. | 1 5 6 | 5 | 4 |
| 2. | 2 4 3 7 | 7 | 5 |
| 3. | 2 3 4 -2 | -1 | 6 |
| 4. | 2 6 5 21 | 30 | 6 |
| 5. | 3 3 7 5 38 | 38 | 9 |
| 6. | 5 8 5 8 5 5 1 | 1 | 10 |
| 7. | 4 1 3 5 7 37 | 38 | 12 |
| 8. | 7 3 4 5 6 7 8 9 -450 | -450 | 14 |
| 9. | 9 9 8 7 6 5 4 3 2 1 2904 | 2904 | 15 |
| 10. | 9 10 9 10 8 10 10 7 9 9 -453680 | -453680 | 19 |
| UKUPNO BODOVA | | | 100 |