Notes:
1. Read **ALL** of the given notes.
2. Save the program in a file named **zad.S**. This is the only file that will be reviewed.
3. Write your **name**, **last name** and **your index number (student ID)** as a comment at the beginning of the file. If you do not write this information, your solution will not be graded.
4. Solutions which fail to compile will be graded with **0** points.
5. Make sure to write comments.
6. Use the practicum from the directory *ispitni_materijali* (**do not** make a copy in your home directory).
7. You are not allowed to take a brake during the test. Leaving the classroom means you have finished the test.
8. During the test, teaching assistants can only provide information about the text of the assignment and help with the usage of programming tools.
9. **Do not change** the names of the variables given initially in the zad.S file.
   Do not change the message strings given initially in the zad.S file.
   You are allowed to add new variables if necessary.
10. **The classroom is under video surveillance.**
11. The test lasts 2 hours and 15 minutes.

Assignment:
Write an assembly program that loads a string with a maximum of 50 characters from standard input. In the entered string, the program finds the digit ('0'-'9') with the largest ASCII code and the digit with the smallest ASCII code. The program returns the sum of the ASCII codes of the found extremes. If no digit is found, the program returns 0 as the exit code.

Examples:

```
Unesite string: ABCD efgh IJKL
Rezultujuci string: FGHI efgh NOPQ

Exit code: 0



Unesite string: KMJbaXYZ
Rezultujuci string: PROba???

Exit code: 3
```

For more examples, run the provided test examples. Apart from the given test examples, the program will be tested with additional examples during grading, so the program should be tested with various inputs.

The maximum number of points on this test is 20.