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User Manual - Dead Ant Count Algorithm

This manual provides instructions on how to use the algorithm to count dead ants in each string. Additionally, it explains how to download and install python on any OS from the official website, how to run tests to verify the correctness of the algorithm, and how to use the main program to interactively process strings.

Instalation

Before using the algorithm and the main program, ensure that you have python install. If not follow the next instructions to download and install from the website.

1. Open a web browser.
2. Navigate to the python download page: <https://www.python.org/downloads/>
3. Choose the latest version.
4. Run the installer.
5. Follow the installation wizard.
6. Verify the installation:
 - a. `py --version`
7. You should also see the version of pip installed:
 - a. `pip --version`

Running test

To run tests and verify the algorithm, follow the next steps.

1. Open terminal
2. Navigate to the project directory:
 - a. `cd path/to/dead_ant_counter`
3. Run the tests:
 - a. `py -m pytest test.py`
4. This command will show the results of the tests.

Using the main program

We just must stay in the project directory:

```
cd path/to/dead_ant_counter
```

Here are some photos with examples:

```
PS C:\Users\alexv\OneDrive - INTEC\Asignaturas\Trimestre 8\Tendencia\tareas\dead_ants_count> py .\main.py
Enter the ants string (q to exit): ant ant ... a nt
1
Enter the ants string (q to exit): ant anantt aantnt
2
Enter the ants string (q to exit): q
```