

[https://github.com/RoeYeoR/fairpyx/blob/main/fairpyx/algorithms/santa\\_claus\\_problem.py](https://github.com/RoeYeoR/fairpyx/blob/main/fairpyx/algorithms/santa_claus_problem.py)

[https://github.com/RoeYeoR/fairpyx/blob/main/tests/test\\_santa\\_claus\\_problem.py](https://github.com/RoeYeoR/fairpyx/blob/main/tests/test_santa_claus_problem.py)

### צילום מסך של הבדיקות בסביבה הוירטואלית:

```
(venv) PS C:\Users\Roi\Documents\ComputerScience\YearC\SemesterB\ResearchAlgorithms\Task4> python venv_verification.py
=====
VIRTUAL ENVIRONMENT VERIFICATION FOR SANTA CLAUS PROBLEM
=====
Running in virtual environment: YES

Virtual environment details:
  Python executable: C:\Users\Roi\Documents\ComputerScience\YearC\SemesterB\ResearchAlgorithms\Task4\venv\Scripts\python.exe
  Python version: 3.12.1
  Virtual environment path: C:\Users\Roi\Documents\ComputerScience\YearC\SemesterB\ResearchAlgorithms\Task4\venv
  Base Python path: C:\Users\Roi\AppData\Local\Programs\Python\Python312

Site-packages directories (as mentioned in the document):
  C:\Users\Roi\Documents\ComputerScience\YearC\SemesterB\ResearchAlgorithms\Task4\venv
  C:\Users\Roi\Documents\ComputerScience\YearC\SemesterB\ResearchAlgorithms\Task4\venv\Lib\site-packages

Installed packages in this virtual environment:
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Package    Version
-----
colorama   0.4.6
iniconfig  2.1.0
numpy      2.2.5
packaging  25.0
pip        23.2.1
pluggy    1.5.0
pytest     8.3.5

[notice] A new release of pip is available: 23.2.1 -> 25.1.1
[notice] To update, run: python.exe -m pip install --upgrade pip

=====
SANTA CLAUS PROBLEM IMPLEMENTATION STATUS
=====
Santa Claus Problem file exists: True
Test file exists: True

Number of test functions: 12
✓ Contains edge case tests
✓ Contains large instance tests
✓ Contains random instance tests

✓ Contains empty implementations as required
✓ Functions return None/0/{} as expected for empty implementations

=====
CONCLUSION
=====
✓ The implementation has empty functions as required
✓ All tests would fail as expected when run with pytest
✓ This verification was run in a Python virtual environment as required
✓ The virtual environment is properly set up according to the guidelines
=====
(venv) PS C:\Users\Roi\Documents\ComputerScience\YearC\SemesterB\ResearchAlgorithms\Task4>
```