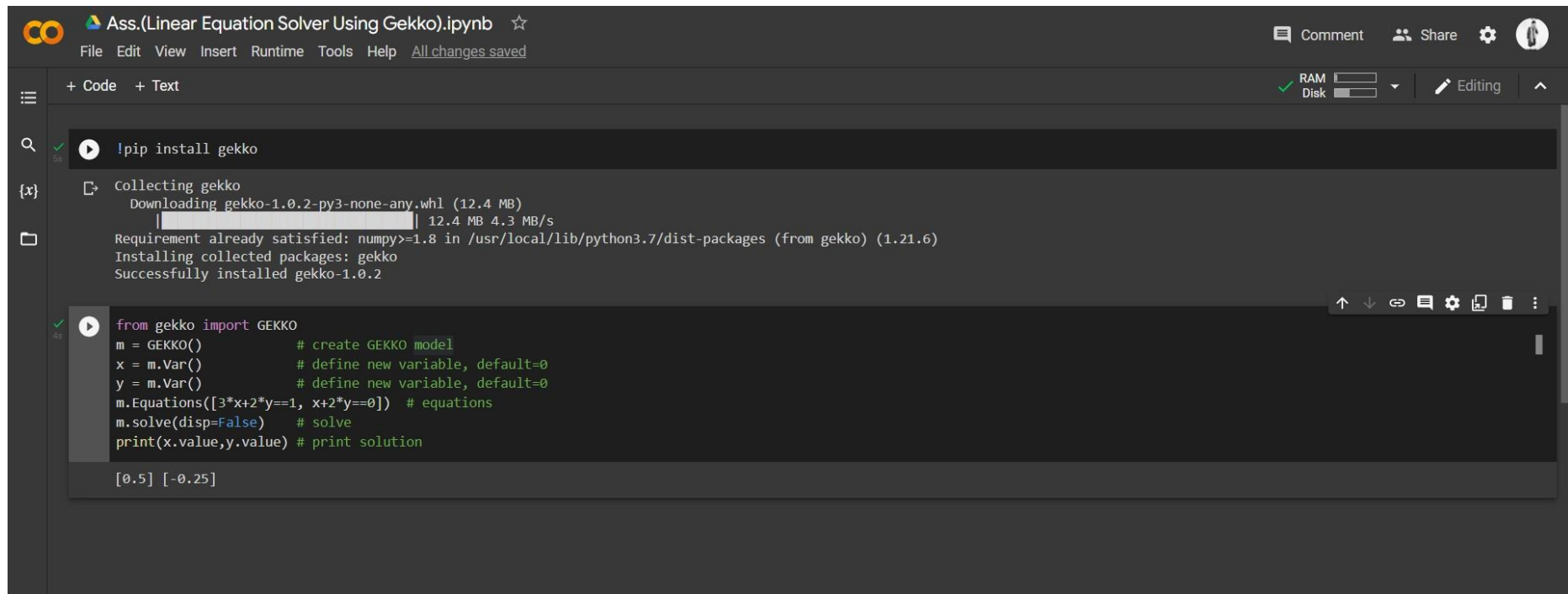


Linear Equation Solver Using Gekko



The screenshot displays a Jupyter Notebook interface with the title "Ass.(Linear Equation Solver Using Gekko).ipynb". The notebook contains two code cells. The first cell executes the command `!pip install gekko`, which results in a successful installation of gekko-1.0.2. The second cell imports the GEKKO module and solves a system of linear equations: `3x + 2y = 1` and `x + 2y = 0`. The output of the second cell is `[0.5] [-0.25]`.

```
Ass.(Linear Equation Solver Using Gekko).ipynb
File Edit View Insert Runtime Tools Help All changes saved

+ Code + Text

!pip install gekko

Collecting gekko
  Downloading gekko-1.0.2-py3-none-any.whl (12.4 MB)
    | 12.4 MB 4.3 MB/s
Requirement already satisfied: numpy>=1.8 in /usr/local/lib/python3.7/dist-packages (from gekko) (1.21.6)
Installing collected packages: gekko
Successfully installed gekko-1.0.2

from gekko import GEKKO
m = GEKKO() # create GEKKO model
x = m.Var() # define new variable, default=0
y = m.Var() # define new variable, default=0
m.Equations([3*x+2*y==1, x+2*y==0]) # equations
m.solve(dis=False) # solve
print(x.value,y.value) # print solution

[0.5] [-0.25]
```