Dear Editors and Referees,

The codes in Excel Macro are below:

*Sub NPL()*

*'*

*' NPL Macro*

*'*

*Sheets("LP1A").Select*

*For t = 2007 To 2020*

*For i = 1 To 55*

*Cells(6 + i, 7) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 3)*

*Cells(6 + i, 8) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 4)*

*Cells(6 + i, 9) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 5)*

*Cells(6 + i, 10) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 6)*

*Cells(6 + i, 11) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 7)*

*Cells(6 + i, 12) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 8)*

*Cells(6 + i, 13) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 9)*

*Cells(6 + i, 14) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 10)*

*Cells(6 + i, 15) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 11)*

*Cells(6 + i, 16) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 12)*

*Cells(6 + i, 17) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 13)*

*Next i*

*For i = 1 To 55*

*Cells(1, 4) = i*

*'Solving the LP*

*resprim = Application.Run("OpenSolver.xlam!RunOpenSolver", False, True)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 5) = Cells(1, 2)*

*Next i*

*Next t*

*Sheets("LP2A").Select*

*For t = 2007 To 2020*

*For i = 1 To 55*

*Cells(6 + i, 7) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 3)*

*Cells(6 + i, 8) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 4)*

*Cells(6 + i, 9) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 5)*

*Cells(6 + i, 10) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 6)*

*Cells(6 + i, 11) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 7)*

*Cells(6 + i, 12) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 8)*

*Cells(6 + i, 13) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 9)*

*Cells(6 + i, 14) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 10)*

*Cells(6 + i, 15) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 11)*

*Cells(6 + i, 16) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 12)*

*Cells(6 + i, 17) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 13)*

*Next i*

*For i = 1 To 55*

*Cells(1, 4) = i*

*'Solving the LP*

*resprim = Application.Run("OpenSolver.xlam!RunOpenSolver", False, True)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 6) = Cells(1, 2)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 4) = Cells(2, 2)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 7) = resprim*

*Next i*

*Next t*

*Sheets("LP3A").Select*

*For t = 2007 To 2020*

*For i = 1 To 55*

*Cells(6 + i, 7) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 3)*

*Cells(6 + i, 8) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 4)*

*Cells(6 + i, 9) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 5)*

*Cells(6 + i, 10) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 6)*

*Cells(6 + i, 11) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 7)*

*Cells(6 + i, 12) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 8)*

*Cells(6 + i, 13) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 9)*

*Cells(6 + i, 14) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 10)*

*Cells(6 + i, 15) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 11)*

*Cells(6 + i, 16) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 12)*

*Cells(6 + i, 17) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 13)*

*Next i*

*For i = 1 To 55*

*Cells(1, 4) = i*

*'Solving the LP*

*resprim = Application.Run("OpenSolver.xlam!RunOpenSolver", False, True)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 9) = Cells(1, 2)*

*Next i*

*Next t*

*Sheets("LP4A").Select*

*For t = 2007 To 2020*

*For i = 1 To 55*

*Cells(6 + i, 7) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 3)*

*Cells(6 + i, 8) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 4)*

*Cells(6 + i, 9) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 5)*

*Cells(6 + i, 10) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 6)*

*Cells(6 + i, 11) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 7)*

*Cells(6 + i, 12) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 8)*

*Cells(6 + i, 13) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 9)*

*Cells(6 + i, 14) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 10)*

*Cells(6 + i, 15) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 11)*

*Cells(6 + i, 16) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 12)*

*Cells(6 + i, 17) = Worksheets("Data").Cells(i + 1 + 55 \* (t - 2007), 13)*

*Next i*

*For i = 1 To 55*

*Cells(1, 4) = i*

*'Solving the LP*

*resprim = Application.Run("OpenSolver.xlam!RunOpenSolver", False, True)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 10) = Cells(1, 2)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 8) = Cells(2, 2)*

*Worksheets("Results").Cells(1 + i + 55 \* (t - 2007), 11) = resprim*

*Next i*

*Next t*

*'*

*End Sub*