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Faculty_Name, Faculty_Num, Max_Load, Course_Pref, Elec_Pref, Hd_CDC_Pref, Hd_Elec_Pref
Professor_1, 1, 3, [10 8 6 11], [7 3 5 1], [4 5], [5 3]
Professor_2, 2, 3, [7 2 4 1], [2 5 8 4], [5 3], [3 5]
Professor_3, 3, 3, [2 3 5 11], [3 5 6 2], [5 1], [5 2]
Professor_4, 4, 3, [11 6 3 1], [7 4 2 6], [4 3], [5 2]
Professor_5, 5, 3, [4 6 11 8], [1 7 5 3], [4 5], [4 1]
Professor_6, 6, 3, [5 4 10 9], [8 6 2 7], [2 5], [2 4]
Professor_7, 7, 3, [1 8 3 4], [2 5 7 4], [1 4], [2 5]
Professor_8, 8, 3, [1 5 4 7], [2 1 7 3], [4 1], [5 2]
Professor_9, 9, 3, [6 8 4 1], [2 1 8 5], [5 3], [5 1]
Professor_10, 10, 2, [10 11 4 7], [2 1 5 4], [4 3], [4 1]
Professor_11, 11, 2, [1 4 5 2], [3 7 5 6], [3 2], [4 3]
Professor_12, 12, 2, [10 1 5 8], [8 2 1 3], [2 4], [1 3]
Professor_13, 13, 2, [5 4 10 8], [3 5 7 8], [4 3], [2 3]
Professor_14, 14, 2, [11 3 7 9], [7 6 4 2], [3 1], [3 2]
Professor_15, 15, 2, [7 3 11 10], [7 4 6 8], [3 2], [3 4]
Professor_16, 16, 2, [10 7 8 4], [6 7 4 1], [3 2], [1 2]
Professor_17, 17, 2, [5 9 3 7], [5 4 6 8], [1 4], [3 5]
Professor_18, 18, 2, [11 6 5 4], [6 1 4 7], [4 5], [2 3]
Professor_19, 19, 2, [5 4 8 10], [4 2 6 1], [4 2], [1 4]
Professor_20, 20, 2, [10 8 9 2], [4 2 7 6], [5 4], [2 4]
Professor_21, 21, 2, [8 11 4 9], [5 7 1 2], [2 1], [2 4]
Professor_22, 22, 2, [4 6 3 5], [7 1 3 5], [5 3], [2 5]
Professor_23, 23, 2, [5 4 10 9], [7 1 8 2], [5 1], [2 1]
Professor_24, 24, 2, [6 10 2 9], [8 3 5 1], [4 3], [4 5]
Professor_25, 25, 2, [10 1 3 9], [2 6 7 4], [5 2], [4 3]

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tanishdesai37 — courseAssignment — 80x24

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Assignment/_internal          9      from hd_CDC_akgo import *
Programme started            10      from hd_Elec_algo import *
Creating Null Space.....    11      dirname = os.path.dirname(__file__)
Taking input from input.csv file..... 12      print(dirname)
Creating Matrix.....         13      dirname = "/" + dirname + "/"
Finding all possible vectors..... 14      input_file = os.path.join(dirname, "input.csv")
Dimension of Null Space of Solution Set 121
Iterating through all possible combinations.....
33% Iterations Done.....    15      #Explain Potential Modification Here
66% Iterations Done.....    16      mode = 1 #Mode of Operation: 0 for Half Assignment Mode, 1 for Complete Assignment
Iterations Completed.....    17      #0 For Half Assignment Mode, 1 For Complete Assignment
Copying the solutions to output.txt file 18      #1 For Complete Assignment
0 Different Solutions Found! ;)
The maximum number of courses assigned are 0 with 0 FD CDCs assigned and 0 FD Electives assigned and 0 HD CDCs assigned and 0 HD Electives assigned in Possible Solution Number: 0
Saving session...           21      class Faculty:
...copying shared history... 22      def __init__(self, name, id):
...saving history...truncating history files... 23      self.name = name
...completed.               24      self.id = id
[Process completed]

```

PROBLEMS

4

OUTPUT

DEBUG CONSOLE