

```

1  class F2CSP_COUNTER:
2      def __init__(self, inF = "", outF = "", nDom = 0, nVar = 0, nRes = 0, nAccept =
0, nReject = 0) :
3          self.inFile = inF
4          self.outFile = outF
5          self.nDom = nDom
6          self.nVar = nVar
7          self.nRes = nRes
8          self.nAccept = nAccept
9          self.nReject = nReject
10
11
12
13  def readFile(self) :
14      self.inFile = input("Enter input file name:")
15      self.outFile = input("Enter output file name:")
16
17      file = open(self.inFile,"r")
18
19
20      markDom = 0
21      markVar = 0
22      markRes = 0
23      markAccept = 0
24      markReject = 0
25
26      for line in file :
27          line = line.split()
28          for l in line :
29              if(markDom == 1) :
30                  markDom -= 1
31                  self.nDom = int(l)
32
33              if(markVar == 1) :
34                  markVar -= 1
35                  self.nVar = int(l)
36
37              if(markRes == 1) :
38                  markRes -= 1
39                  self.nRes = int(l)
40
41              if(markAccept == 1) :
42                  markAccept -= 1
43                  self.nAccept += int(l)
44
45              if(markReject == 1) :
46                  markReject -= 1
47                  self.nReject += int(l)
48
49              if("Domains" in l) :
50                  markDom += 1
51
52              if("Variables" in l) :
53                  markVar += 1
54
55              if("Constraints:" in l) :
56                  markRes += 1
57
58              if("Reject" in l) :
59                  markReject += 1
60
61              if("Accept" in l) :
62                  markAccept += 1
63
64      file.close()
65
66  def writeStatistics(self) :
67      f = open(self.outFile,"w+")
68
69      f.write("Numero de Dominios: "+str(self.nDom))
70      f.write("\n")
71      f.write("Numero de Variaveis: "+str(self.nVar))

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72         f.write("\n")
73         f.write("Numero de Restricoes: "+str(self.nRes))
74         f.write("\n")
75         f.write("Numero de Tuplos Aceites: "+str(self.nAccept))
76         f.write("\n")
77         f.write("Numero de Tuplos Rejeitados: "+str(self.nReject))
78
79
80     test = F2CSP_COUNTER()
81     test.readFile()
82     test.writeStatistics()
83     print("DONE")
```