```
Z13.py
e > piotr > Dokumenty > RPIS > Lista9 > 🏺 Z12.py > ...
                                                                home > piotr > Dokumenty > RPIS > Lista9 > 🏺 Z13.py > ...
   import numpy
                                                                       import numpy
   temperatura = [9.7, 8.4, 7.9, 8.7, 7.5, 7.8, 8.6, 8.4]
                                                                       temperatura = [9.7,8.4,7.9,8.7,7.5,7.8,8.6,8.4,8.8,8.0,6.7,8.4,8.2,6.8,8.4,7.2]
  wysokosc = [130,176,301,288,292,330,220,102,143
                                                                       wysokosc = [130, 176, 301, 288, 292, 330, 220, 102, 143, 65, 90, 70, 100, 140, 200, 120]
                                                                       szerokosc = [51.11, 50.6647222222222, 50.2641666666667, 50.0613888888889, 50.0336111111111, 5
                                                                       dlugosc = [17.022222222222, 17.9269444444444, 19.0236111111111, 19.938333333333, 22.0047222
   #Wersja macierzowa
                                                                       #Wersja macierzowa
  matrixX = []
   for i in range(len(wysokosc)):
                                                                       matrixX = []
       row = [1,wysokosc[i]]
                                                                       for i in range(len(wysokosc)):
       matrixX.append(row)
                                                                           row = [1,szerokosc[i], dlugosc[i]]
                                                                           matrixX.append(row)
                                                                  13
  X = numpy.array(matrixX)
  Y = numpy.array(temperatura)
                                                                       X = numpy.array(matrixX)
                                                                       Y = numpy.array(temperatura)
  XT = X.T
  X1 = numpy.linalg.inv(numpy.matmul(XT,X))
                                                                       XT = X.T
  B = numpy.matmul(X1,numpy.matmul(XT, Y))
                                                                       X1 = numpy.linalg.inv(numpy.matmul(XT,X))
                                                                       B = numpy.matmul(X1,numpy.matmul(XT, Y))
  print(B)
                                                                       print(B)
                                                                      t = 28,53 - 0,33 * s - 0,18*d
 t = 8,06 + 2,19 * 10^(-4) * h
      OUTPUT
               DEBUG CONSOLE TERMINAL
                                                                                                                                                       1: bash
BLEMS
```

tr@leo:~/Dokumenty/RPIS/Lista9\$ python3 Z12.py

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05594818e+00 2.18586615e-04]

.53107346 -0.32809156 -0.17775029]