13M18CS156 Sagar Reddy SN Liveau Regrección Algorithm in order to fit data point import numpy as up import matphotlib. pyphot at plt det estimate-wefficent (xxy): n = np. size(x) M_x = Mp. mean ()) my = np. mean (y) SS-ry = np.sum(yxx) -N#M-y*M-x SS- XX = NP. SUM (X#X) -N & M-X & M-X b-1 = 25-24 /51-2x 5-0 = m-y -b-1 xm-x return (6-0 161) plot- degracion-line (x, y, b): pH. Scatter (714, 1060 > 11 ml), market = 1101/15=30 y - pred = b [0] + b [1] *x plt. plot (x 14+ pred, woor = 11g1) plt. xlabel ("x") pit- ylabel (1411). Petalant.

det wain ()

7 = np. array ([43, 21, 25, 42, 57, 59]).

b = estimate-coefficient (314)

print (1 The & estimated coefficient one: In bo = (3)

(nb-1=(3"-format.(5[0],5[i]))

un knowney = (b [0] + 55 * b[i])

new-y = np. append (y, [unknown-y])

Print ("x255, y; "/ uliknown-y).

Plat-regression_live (x14 pb

plot-regression-line (ucus-x, new-y, b)

if -- name -- == ":- main_-1": main().