import numpy as np

a = np.array([1,1])

b = np.array([2,3])

c = np.array([4,2])

#calculo de la norma

ac=np.linalg.norm(a-c)

ab=np.linalg.norm(a-b)

bc=np.linalg.norm(b-c)

print('a-c =',ac)

print('a-b =',ab)

print('b-c ='bc)

print('|a-b|+|b-c| =', ab + bc)

ac = 3.1622776601683795

ab = 2.23606797749979

bc = 2.23606797749979

|a-b|+|b-c| = 4.47213595499958

Usando quiver de la librería matplotlib

Chart, line chart

Description automatically generated

||a-c|| ≤ ||a-b|| + ||b-c||

