## cosing the natrix-chapter 2## .Vector

magnitude and trection

· A list of numbers

· Number of elements in a vector inficares timension.

· A vedor of n elements is collect on n-vector

ex: x = [3, 5, -1]

x is a 3-Vector

· Vector abbition - a sting each element of the vector with each element of another vector.

ex: x=[3,5]-/]

Y=[1, 4,10]

X+Y =[4, 9,9]

Jef add 2 (V, W):

return[V[0]+V[0], V[]]+W[]]

X = [1,4] Y= [3,5]

ex: add2(XJY)

output: [4,9]

computing sum of n-vectors with n elements:

Jef add n (\*args): return [sum(x) for x in zip (\* args)]

Zip: and together \* = unimited amount