Nameric (JD Losice Din= [x0, x1, x2, ..., xa] It or each point vi we need diff=[0.95, 1, 1.0] So the following vec is aseated: din tec=[1,2,3,4,...,3.n] Then we create all combinations: $C_{R} = (V)_{2} \frac{V!}{(N-K)!}$ in our cose we choose n conforents
from the 3.n vec. 11) the result is a matrix of size (3:n)! \(\frac{(3:n)!}{(2:n)!n!} \), Phis lant ix we filter each column 3 so that all rows in that I should be between ((3.j-2):3)]

Met = [1:3 n:6 7:9]

((3.j-2):3)]

Then the possible divections of the gradient cure: grad > xi. grad (mat)

The opthization itself Problems: E) the idea is that the above calculation is expensive and we want to avoid The converge to the local vining we need to adjust the grad Colutions: (here we denote x as the I) After computing the grad, we check in which of the gradients the change in t is minimal: Miu (f(x0+grad)-f(x)) from hese on out we more in it, x = x o Ampid until [f(xi+2)-f(xi))>0, Meuning Well Moving away from the Minima. for this ouse we recompute the good or and Di. This Weeps the colquitations