Gizen AKTAS 181312056

Objective fore: f(x1x2)=40-3 x1+4x2-x12-2x22+2x1x2-x142x12,x2

-1,54×, 62,5 0€ ×26 5,0

2 parametre

Hossosiyet XI ve X2 icin vigilder sona 3 roken down.

Hossasiyat ayarlamosı = Dejişkenin domoin uzunluğu x İsteren rokam hassosiyeti

XI'm alen uzunlugu 4 4 x 1000 ezit oraliga bölünür.

4000 = 111410100000 211/2 40002 212

X2 nin alen uzunlupu 5 5x1000 esit parque bistinior.

5000 = 100 111000 1000, 212 × 5000× 213

Terim sayılarının hangi depere esit olduğunu bulmak icin;

-1,54 x142,5 icin

04x265 iain

terin sayisi = repatif deporter + 0 + positif depoter

son terim - ilk terim +1 = 1500-1 +1=1500 reportif deper ver

2500-1 +1 = 2500 posits doper ver

1500+1+2500 = 4,001 tole term ver

3000 Ortonea

3000 A 3000 diger

Var

1500 reports 01500 01501...2500 POZITIF

-1.5 --- 0,499

2001 . term 0,500

ise

olus

1751. terim 1250 ) 21300 ( XI iain 3801, terin po getales 571 . teim -0,930 -11400 1 tollow 101. term

 $\frac{\text{terim}}{\text{sayisa}} = \frac{5000 - 0}{1} + 1 = 5001$ 

ortence = Sonterin-Illeterin depart 2  $=\frac{5990+0}{2}=2500$ 

ortence \_ 2500 2500 2501. terim ver 2500

2501, term 2500 ise

2751 . terim 2750) 1201. term 1200 bu departer 2000 term 2000 3001. term 3,000 ) Kullorelim

olur

n=4 bing

Gizon AKTAS 181312056 (2m

X1:011011010111 Decimol Deper 1751 X,=0125

P. X2:0101010111111 2751 X2 = 2175

 $f(x_1,x_2) = 40 - \frac{9}{2}(0.25) + 4(2.95) - (0.25)^2 - 2(2.75)^2 + 2(0.25)(2.75) - (0.25)^4 + 2(0.25)^2(2.75)$ 

=40-1,125+11-0,0625-15,125+1,395-0,0039+0,3437

= 36,4023

P2 X1: 111011011001 3801 X1=213

X2:0010010110001 1201 X2=1,2

f(x1,x2) = 16,5119

X1: 1001000111011 571 X1=-0193

P3 X2:0011111010001 2001 X2=2

f(x1,x2)=42,309

P4 X2:0101110111001 3001 X2=3

f(x1, x2)= 37,8584

Grup 1 P3-P4 L=7 7. bitter 30000 caprozono

0010001,00101 11011,1100000

P3 11k7 P4 son 5 Py Puilk Pason 5

0101110, 210001 0011111, 111001,

P311k7 Pyson6

Pi: X1 = 0,25 X2=2,75

P2: X1 = -093 X2 = 2

P3: X1 = -0,93 ×2=2

P4: X1=-1,4 X2=3

Toplan Uyguniuk Doper = 133,0816 Rulet Telcerles: Kapleyoccosi Alon

P1 = 36,4023 = 0,2735 P2 = 0,1241
133,0816 9612

P3=013179 P4=012845 %31 01028

4 ker courildipinde

P3: 2 Ket Puil Kot Pill Ket P2:0

Grup 2 P3-P, K=9 9. bitter some geprozlano

001000111, 4741 Palon Tikes Pison3 Pi

100111101 11111 010101011,0001 Paille 9 Pison 4

Mutesyon P. L. biti mutesyone upruyer P, : 011111010011 <x,

01000010001 6x2