求 f(x,y) = x + y 的最大值或最小值  
限制條件是 h(x,y) = x^2 + y^2 – 32 = 0

L(x, y, λ) = f(x,y) + λ h(x,y)，

g=0

------ 1.

------ 2.

x^2 + x^2 = 32 ---- 3.

利用帶入消去法

x =

y =

帶入3.

+ = 32

= , x = 4 , y = 4

1. = , x = 4 , y = 4

f (4, 4) = 8

1. = , x = -4 , y = -4

f (-4, -4) = -8