① X=a 会 g(t)=a 会 g'(g(t))=5, g(g(t))=2 会 h'(g(t))=-4, h(g(t))=7 $\frac{9f}{\sqrt{5}} = \frac{3x}{\sqrt{5}} \frac{7f}{\sqrt{5}} + \frac{2i}{\sqrt{5}} \frac{9f}{\sqrt{5}}$ = fx(2,7)g'(a) + fy(2,7)h'(a) = 6.5 + (-8). (-4) = 62, (2) $f(x,y,\lambda) = 6x + \frac{96}{x} + \frac{4y}{x} + \frac{x}{y} - \lambda(x+y-6)$ = $6 \times + \frac{96}{x} + \frac{4y}{x} + \frac{x}{y} - 7x - 2y + 62 = 0$ $f_{x} = 6 - \frac{96}{x^2} - \frac{4y}{y^2} + \frac{1}{y} - \lambda = 0$ $f_y = \frac{4}{x} + \frac{x}{y^2} - \lambda = 0$ fa= -x-y+6=0 3) Sex2+y2dxdy dibates: x positif, y positif y=11-x2 =7 y2= 1-x2 [1,0],[0,1] 121 x=1 ex2+y2 dxdy = J=1 y2 (A erfi(1) - VT erfi(0) = (TTL erfi(1) - (TT erfi(0))2 (GELATIK)