







- For (2,0) - r=6(2)-6 & s=6(0) % t=6(2)-6 27 = 6 27 5 = 0 27 t = 6 : rt-s=(6)(6)-0=36 : rt-s=>0 & r>0 > Minimal minimum point is (2,0) Honce: f(x,y) = x3+3xy2-3x2-3y2+4 ---Haxima/Maximum point = (0,0) $f(0,0) = (0^{3} + 3(0)(0)^{2} - 3(0)^{2} - 3(0)^{2} + 4$ =>f(0,0) = 4 . Hax value = 4 2. Minima Minimum point = (2,0) At (2,0): $f(2,0) = (2)^{3} + 3(2)(0)^{2} - 3(2)^{2} - 3(0)^{2} + 4$ = 8 - 12 + 4=> f(2,0) = 0 of Min value = 0 3 Stationary points of f(x) are :-(1,1), (1,-1), (0,0), (2,0)