

=> conbrased 6 ras (B) = var(B) MSB(B) ni is one constant of, we take the square out > Z ni var(gi) Brit Zi var (Boi) + var (Zi) 21,2 Naw, now vac (Bri) = 0 as B and ni are constants) 0 + var(2i)

L(0/2) = p 222, 1, 2N -1 (2- M) L(Z) = N(M, 02) 0/20002 L(0 =)= 100 b(2,1..,2n) L(40° (2) max = 2 (50 Mo 2) L (Fa, yw portrally differentiating cort mo e eo g we get (Zi-19) (Some as up Bx 1,2,10) 2(E(21/10)2)2(12 ET (E CZ 16)2) (2 (2 (21-2)2) e = (E(21-2)2) E (20-2)2



