M-H for parameters w/ constraints: Exmple: y, - Boun (O), (=1,...,n 0~ Bet (d, B), 0<0<1 (0) 4) x (4 103(0) = Beta (Zjith, Z((ryi)+B) Suppose we want / need MCMC w/M-H update: Proposals: () Prior: 0\*~ (0]\* = [0] 2.) Rw: 0\* ~ [0 | 0\* ~ 1]\* and reject
if 0\* < 0 or 0\*>1. The 020x21 use Nh = [+10(x)][0(x)] [y 10(x-1)][0(x-1)] where [0/0" ]x = N(0 (k-1), 0 2me) 3.) TN RY: 0 ~ (0) 0 (4.7) - TN (0 (4.7) of our ) my = [7/19(x-1)][9(x-1)][9(x)] (9(x-1)] Open wolls: 1.) y; - N(M, 5<sup>2</sup>) 2.) 4: ~ Beta ( x, B) M ~N(Mo [0]) X - Ganca (Qa, ba) B~ 6ana (ap, 68) K2 ~ Genra (a, b)