3 c(1-1) = 0 P(x, 8) = P(1,7) = ((1-8'(1-7)) P(B, S) = P(3,7) = C(1-S(3,7)) P(X,Y) = P(1,3) = c(1-8(1-3)) = C Expression is given as P(B,8) + P(x,8) - P(B,6) - P(X,8) = D+ C-C-C = - C KD Hence Pott's model is not submodular

1.2 Let X=1 B=3 Y=3 8=7

P(B, Y) = P(3,3) - ((1-8(3-31)