spring 2016 Qustion 7 P(x,1 X,) = F(x, , x2 P()()(x)) = F(x2, x3) P(x1,1x) = f(x1, x,) P(x51x4,x2) = f(x4,x2,x2,x6 PCX6) = constant 2 g C 2 (2) F (>c eliminate hs (SHP @ Time complexing = o (d.4) complexity = 0(3d3

n+1 -> F (x1, 2(n+1) n+2 -> f(x2, xn+1, xn+2) we eliminate x1/f(x,) f(x,x2) f(x,x g(x2, xn+1) 3, (3(5) x 2+5) this Gunchion we are not odding any rex tra variable. Elimination order -(X1) SCUTI 3 X2 X M +2) -should give us a tim emplexity of Och 3) space complexing of 0(2d2) This is bearause X; has extra edge from X; to Xnti, so that why eliminating Xnti-1 everything of the Xnii is climinand & where is no

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