E 10.5.1

4 nodes 4 edges $\begin{pmatrix} y \\ z \end{pmatrix} = -\frac{4x3}{x^2} = 6$ Possible edges: de [1 - p)] =0 2 p3(1-p/(2.3y) =0 1. p= 0 or 1 or 2 2 On sider 1= 1,50

Probability = $(\frac{2}{7})^4 (1-\frac{2}{3})^2 = \frac{16}{729}$

EW. J. 2

- PLX = PC

Pyz = PD

: To tind maximum, and when po=1 L=1

: PD=0.7 to get a maximu-

: PC=1 PD=0.7

E 10.5.3 (={W,X,y} 0={W,9,Z} :: L(P(1PD) =P2. Po. (1-(PCtyo -1(PD)))2

: When PC=1 and Po=J.) makes it maximum

:. Z: D->(: (={x,w,y,z}) D={w,y} :: L(Pc)=Pcx Pc=1 manz)

A: (->D same, po=1 max =1

w: delete $\exists \in$, L < I : Finally $C = \{w, x, y, z\}$ $D = \{w, y\}$ others: $\exists \in$, L < I $O = \{w, y\}$, $D = \{w, x, y, z\}$