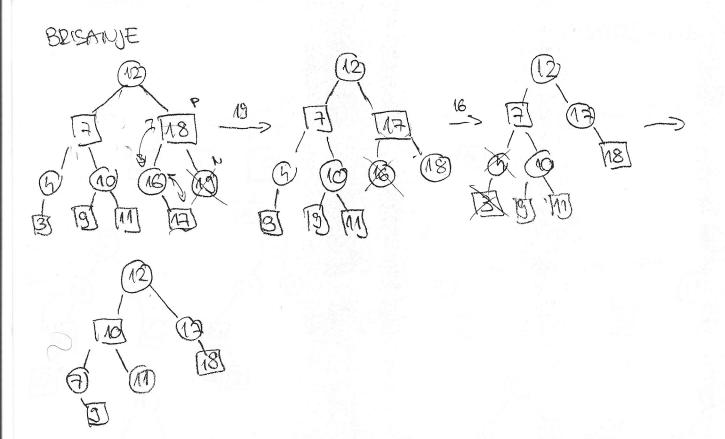
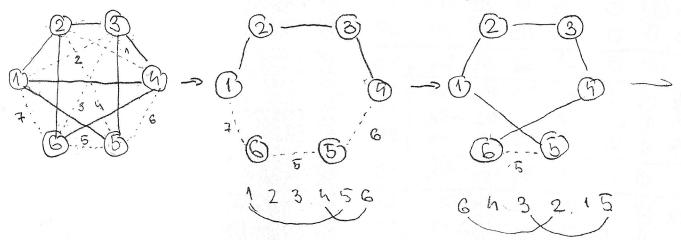
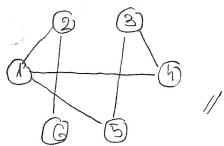
NASP-218-2013/14



3 BONDY-CHUATAL

a) Nota je G=(V, E) jednostavni (simple) neusmjereni grat sa koji vijedi (VI=n>3 i neka sa u i v nesusjedni vihavi u njemu sa koje vijedi deg (vi) + deg (vi)> n. Tada je G'=G+(u,v) + damiltonov graf ako i samo ako je G Hamiltonov graf





$$\begin{array}{c}
\text{Dinnax} & 2x_1 + 3x_2 + x_3 \\
x_1 + x_2 + x_3 \leq h0 \\
2x_1 + x_2 - x_3 \geq 10 \\
x_2 - x_3 \leq -h0 \\
x_3 - x_2 \neq 10 \\
x_1, y_2, x_3 \geq 0
\end{array}$$

$$2^{x_1} + x_2 + x_3 + y_1 = h0$$

$$2^{x_1} + x_2 - x_3 - y_2 + \alpha_1 = 10$$

$$x_3 - x_2 - y_3 + q_2 = 10$$

×1 ×2 ×3 41 42 43 91 92	
41110000	40
a, (2) 1 -1 0 -1 0 1 0	10
a20-1100-101	10
(2) 0 0 0 1 1 0 0	-20
41 0 112 Bl2 1 112 0 -12 0	35
X1 1 1/2 -1/2 0 -1/2 0 1/2 0	5
920-1000-101	10
01-100119	-10
41 0 2 0 1 1/2 3/2-1/2-3/2	20
X1 1 0 0 0 -112 -112 112 112	10
X3 0-11 00 -101	10

X	0	X 2	X3	(H)	42	43	
41 C	C	(2)	0	1	112	312	20
0	1	O	\bigcirc	\bigcirc	-112	-112	10
X3 C	<u>3</u>)	-1	1	0,	0	-1	10
_(-3	-1	0	0	0	0
×2 (<u></u>	1	0	112	Mh	314	10
XA (~	0	\circ	0	-112	-112	10
,	G	0	1	112	164	3/4	20
	-2	Q	-1	312	344	914	30
X	0	1	7	1/2	My	3/4	10
XI	1	O	0	C	+12	-112	10
X3	0	0	1	1/2	114	314	20
	0	0	_ (\	312	Alh	114	50
XZ	0	4	0	1/12	114	344	10
Xn	1	C	0	0	-112	-1/2	10
X	0	O	1	1(2	114	314	20
	0	0	0	2	0	1	190/

 $x_1 = 10$ $x_2 = 10$ $x_3 = 20$

Alz

V' .