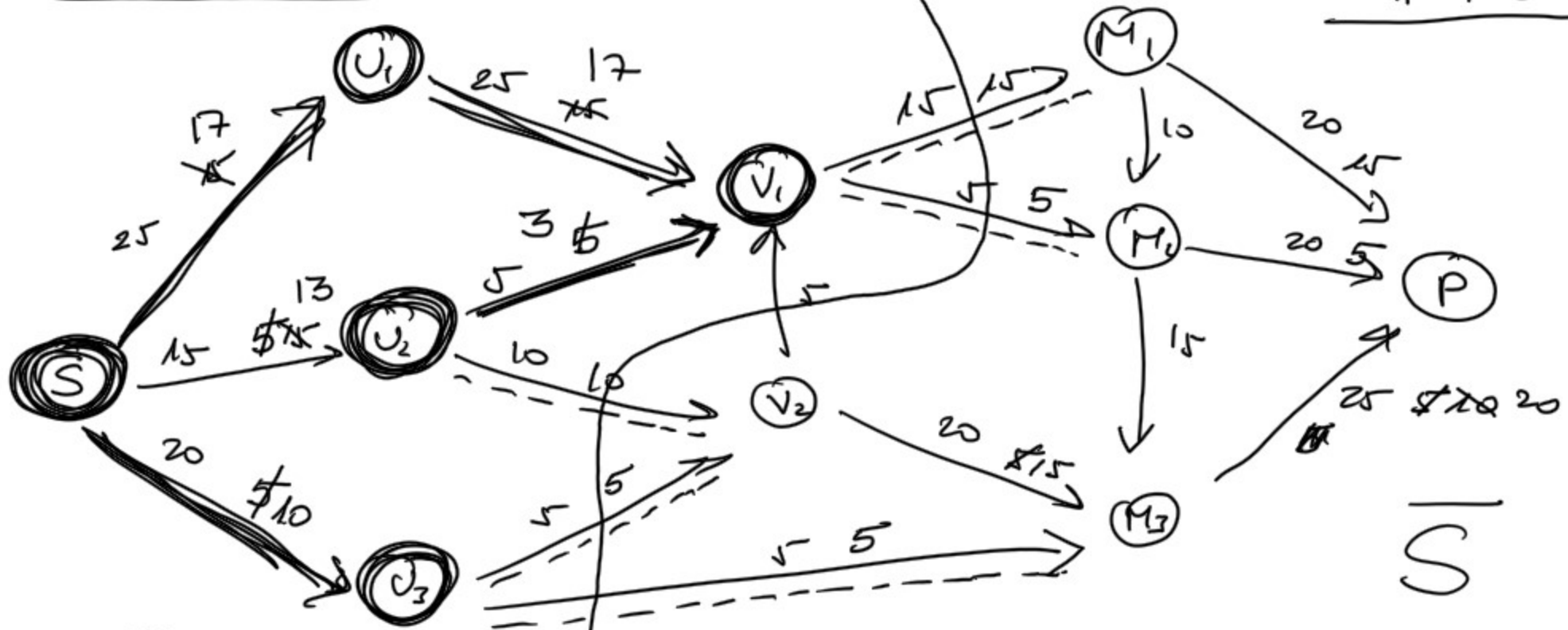
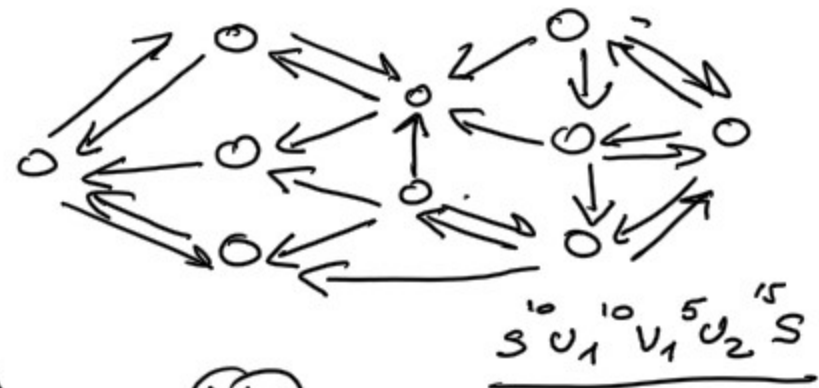


$S \xrightarrow{25} U_1 \xrightarrow{25} V_1 \xrightarrow{15} M_1 \xrightarrow{20} P : 15$
 $S \xrightarrow{15} U_2 \xrightarrow{5} V_1 \xrightarrow{5} M_2 \xrightarrow{20} P : 5$
 $S \xrightarrow{20} U_3 \xrightarrow{5} V_2 \xrightarrow{20} M_3 \xrightarrow{25} P : 5$
 $S \xrightarrow{15} U_3 \xrightarrow{5} M_3 \xrightarrow{20} P : 5$
 $S \xrightarrow{10} U_2 \xrightarrow{10} V_2 \xrightarrow{15} M_3 \xrightarrow{15} P : 10$



S

$$c(S, \bar{S}) = 40 \quad v(f) = 40$$

$S \xrightarrow{30} v_1 \xrightarrow{18} v_2 \xrightarrow{19} v_1 \xrightarrow{22} v_4 \xrightarrow{24} v_5 \xrightarrow{16} v_3 \xrightarrow{15} m_3 \xrightarrow{19} P : 15$

$S \xrightarrow{16} u_2 \xrightarrow{8} v_1 \xleftarrow{15} v_2 \xrightarrow{7} m_2 \xrightarrow{19} P : 7$

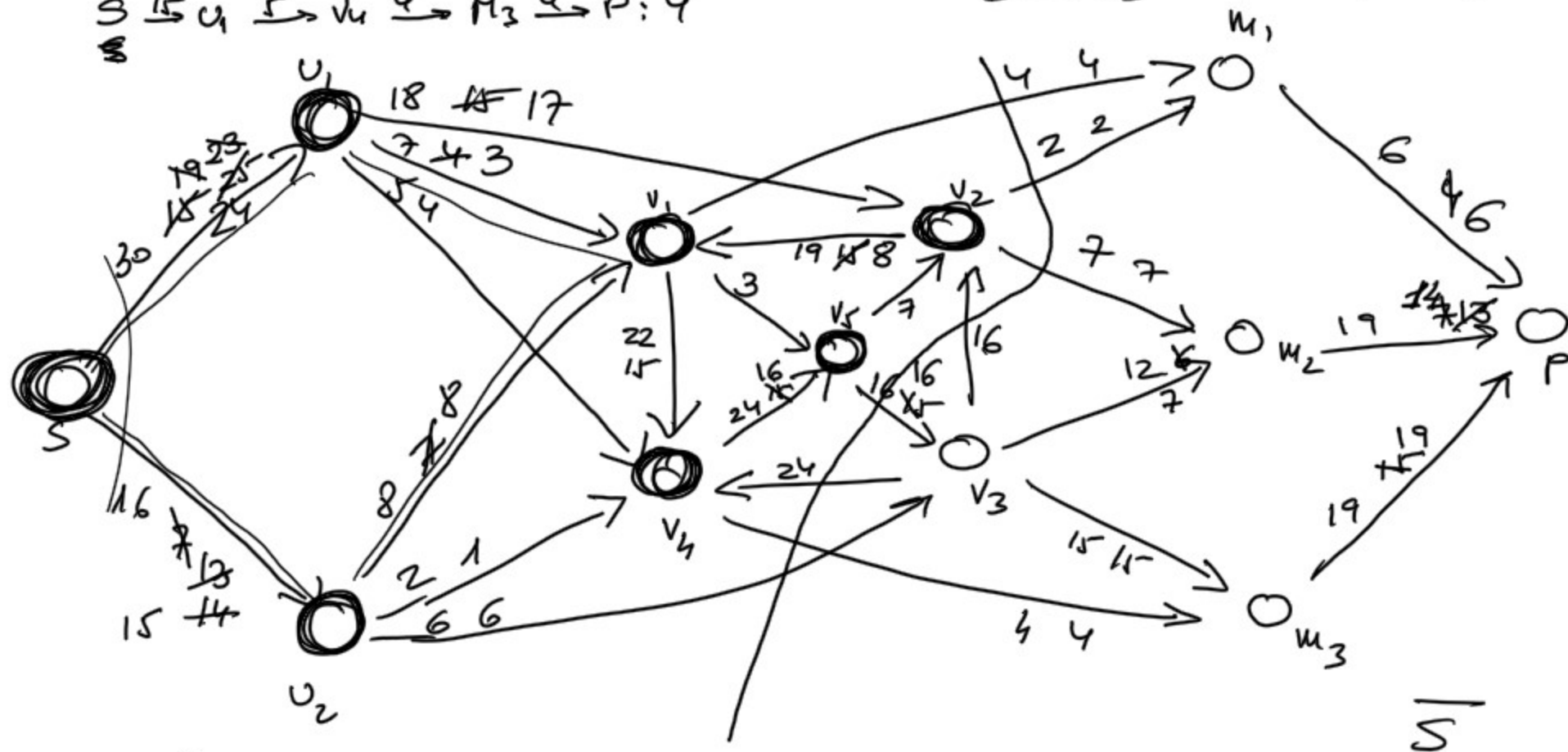
$S \xrightarrow{11} u_1 \xrightarrow{7} v_1 \xrightarrow{4} m_1 \xrightarrow{6} P : 4$

$S \xrightarrow{9} u_2 \xrightarrow{6} v_3 \xrightarrow{12} m_2 \xrightarrow{12} P : 6$

$S \xrightarrow{7} u_1 \xrightarrow{3} v_2 \xrightarrow{2} m_2 \xrightarrow{2} P : 2$

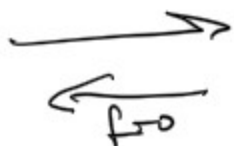
$S \rightarrow u_2 \rightarrow v_4 \rightarrow v_5 \xrightarrow{1} v_3 \rightarrow m_2 \rightarrow P : 1$

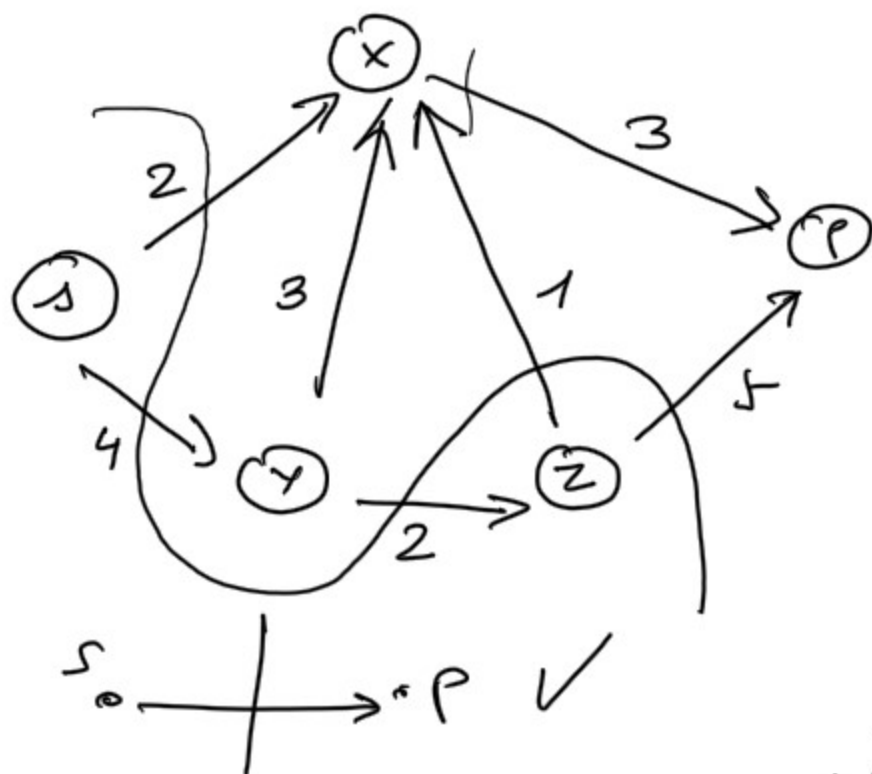
$S \xrightarrow{15} u_1 \xrightarrow{5} v_4 \xrightarrow{4} m_3 \xrightarrow{4} P : 4$



S
 $c(S, \bar{S}) = 39$

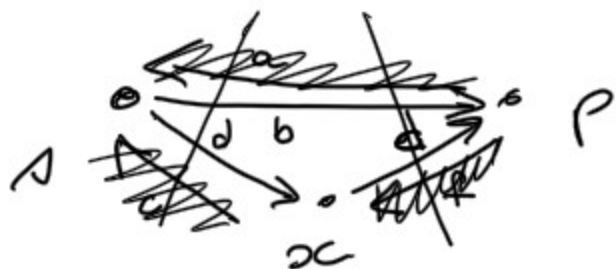
$v(f) = 39$





$u=2$

$u=3$

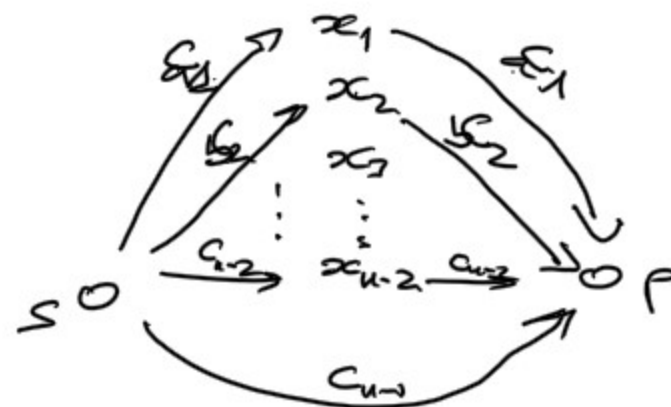
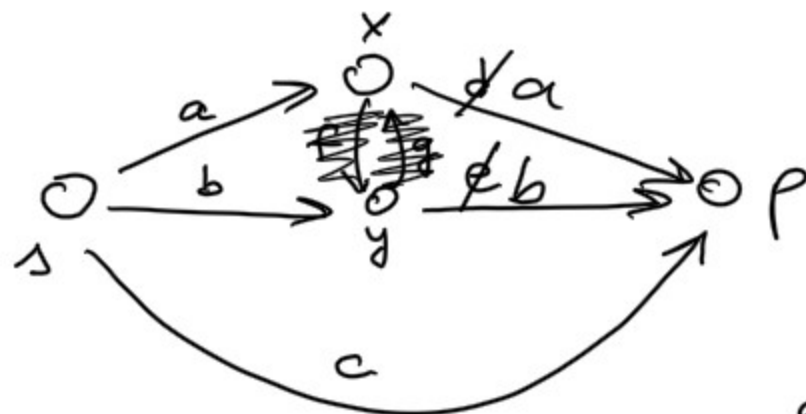


S	\bar{S}	cap.
S	X, P	b+d
S, X	P	b+e
		d+e

$\left. \begin{matrix} b+d \\ b+e \end{matrix} \right\} \underline{b+d}$

S	\bar{S}	Capacite'
S	X, Y, Z, P	6
S, X, Y, Z	P	8
S, X	Y, Z, P	7
S, Y	X, Z, P	7
S, Z	X, Y, P	12
S, X, Y	Z, P	5
S, X, Z	Y, P	12
S, Y, Z	X, P	11

$$\underline{n=4}$$



$$\underline{c_1 + c_2 + \dots + c_{n-1}}$$

$$a + b + c = b + c + d + f$$

$$\boxed{a = d + f}$$

$$a + c + e + g = c + d + e$$

$$\boxed{d = a + g}$$

$$a \geq d, a \leq d \Rightarrow \underline{\underline{a = d}}$$

$$\underline{f = g = 0}$$

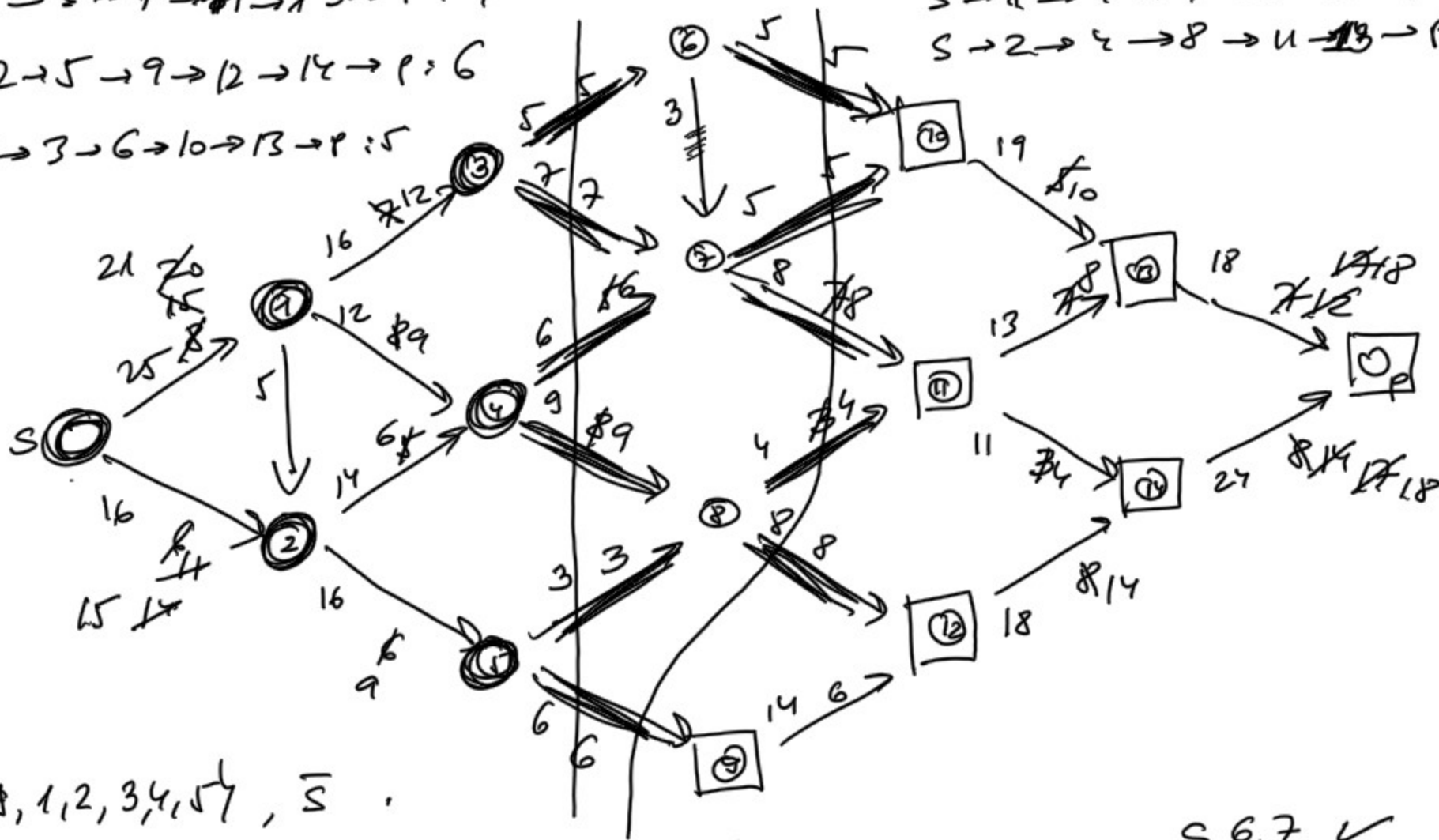
$$c + d + e = a + c + e = a + b + c$$

↖ ↗
b se

S	\bar{S}	expression
s	x, y, p	a + b + c
s, x	y, p	b + c + d + f
s, y	x, p	a + c + e + g
s, x, y	p	c + d + e

$S \rightarrow 1 \rightarrow 4 \rightarrow 8 \rightarrow 12 \rightarrow 14 \rightarrow P : 8$
 $S \rightarrow 1 \rightarrow 3 \rightarrow 7 \rightarrow 11 \rightarrow 13 \rightarrow P : 7$
 $S \rightarrow 2 \rightarrow 5 \rightarrow 9 \rightarrow 12 \rightarrow 14 \rightarrow P : 6$
 $S \rightarrow 1 \rightarrow 3 \rightarrow 6 \rightarrow 10 \rightarrow 13 \rightarrow P : 5$

$S \rightarrow 2 \rightarrow 4 \rightarrow 7 \rightarrow 10 \rightarrow 13 : 5$
 $S \rightarrow 2 \rightarrow 5 \rightarrow 8 \rightarrow 11 \rightarrow 14 \rightarrow P : 3$
 $S \rightarrow 1 \rightarrow 4 \rightarrow 7 \rightarrow 11 \rightarrow 14 \rightarrow P : 1$
 $S \rightarrow 2 \rightarrow 4 \rightarrow 8 \rightarrow 11 \rightarrow 13 \rightarrow P : 1$



$S = \{1, 2, 3, 4, 5\}, \bar{S}$

$T = \{1, 2, 3, 4, 5, 6, 7, 8\}, \bar{T}$

S
 $S, 6$
 $S, 7$
 $S, 8$

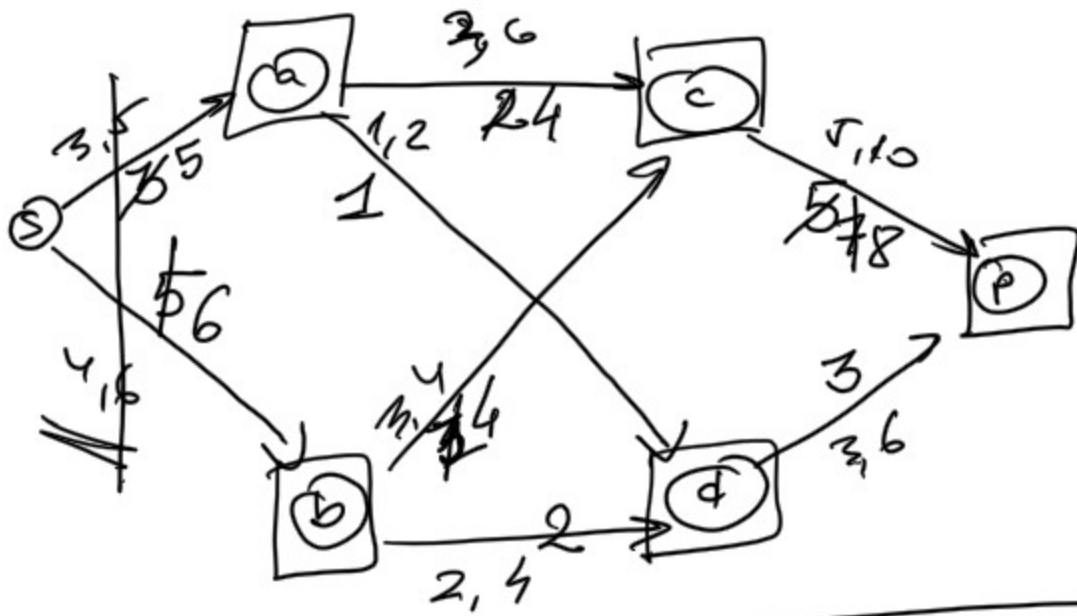
$S, 6, 7$ ✓

$S, 6, 8$

$S, 7, 8$

$S, 6, 7, 8 \subseteq T$

6 corps de coquille uniques.



$$S \xrightarrow{2} a \xrightarrow{4} c \xrightarrow{5} p : 2$$

$$S \xrightarrow{1} b \xrightarrow{1} c \xrightarrow{3} p : 1$$

$$S = \{s\} \quad \bar{S} = \{a, b, c, d, p\}$$

unique

$$\underline{s} \xrightarrow{1} p \xrightarrow{\infty} s \xrightarrow{2} b \xrightarrow{1} p$$

$$S \begin{cases} c(e) \rightarrow + \\ d(e) \rightarrow + \\ a(e) \rightarrow + \\ b(e) \rightarrow - \\ b(e) \rightarrow - \end{cases}$$

