3/ Tam doan luân $\begin{array}{c} p \rightarrow q \\ q \rightarrow r \end{array} \left(\begin{array}{c} p \rightarrow q \\ \end{array} \right) \wedge (q \rightarrow r) \rightarrow p \rightarrow r \end{array}$ · op>r 4/ Tam atran luân 131 $[(pvq) \wedge 7q] \rightarrow p.$ 57 C/m thuo triling. hop $\left[(p \rightarrow r) \wedge (q \rightarrow r) \right] \rightarrow \left[(p \vee q) \rightarrow r \right].$

: (pvq)>r 6/ Mân thuâs 7/Rut gon 8/ Noi liên

On tap toan roi rac 2 Page 3

79->7p7(7g) v7p (=)qv7p. BMC CG Sg P(1):

$$(=) \frac{1}{2} = 1 - \frac{1}{2}$$

 $=) VT = VP$.
 $P(k) \text{ dung}$:

Gia & P(K) dung

$$P(k): \frac{1}{2!} + \frac{2}{3!} + \dots + \frac{k}{(k+1)!} + \frac{1}{(k+1)!}$$

Can thing minh P(K+1) otung:

$$P(K+1): \frac{1}{2!} + \frac{2}{3!} + \cdots + \frac{K}{(K+1)!} + \frac{K+1}{(K+2)!} = 1 - \frac{1}{(K+2)!}$$

$$(=(1) \frac{1}{(K+1)!} + \frac{K+1}{(K+2)!} + \frac{1}{(K+2)!}$$

$$N = N \left(V - V \right)$$

$$(a \cdot a) = (a \cdot a) / (a \cdot b)$$

=) VT = VP => P(1) ating Gia & P(k) thing: P(K): 1.11 + 2.21 + ... + K.K = (K+1)! -1 Cân chưng minh P(K+1) trung: P(K+1): (1.1/+2.2/+ ..+ K.K/)+(K+1) (KH) = (k+2)!-1(=) (K+1)! - K+ (K+1) (K+1)! = |(+2)| - K(K+1)! + (K+1)(K+1)! = (K+2)(K+1)!1 + K+1 = K+2

(=) K+2=K+2

$$\begin{array}{ll} \Rightarrow & \text{VT} = \text{VP} \\ \Rightarrow & \text{P(k+1)} \text{ stung} \Rightarrow \text{P(n)} \text{ stung} \text{ th.} \\ \text{2/} & \text{X+y+z+t} = \text{20} \text{ (1)} \\ \text{X, y,z,t} \gg 0 \\ \text{Pat } & \text{a} = \text{x, b} = \text{y, c} = \text{z, d} = \text{t} \\ \Rightarrow & \text{(i): a+b+c+d} = \text{20} \\ \text{So nghiern name in dialogy} & \text{A} = \text{C23} \\ \text{b/x>3, y>4, 2>2, t>1} \\ \text{Viet lai dien kien:} & \text{your atlang} & \text{A} = \text{C23} \\ \text{Pat } & \text{a} = \text{x-3} & \text{pc} = \text{a+/5} \\ \text{Pat } & \text{a} = \text{x-3} & \text{pc} = \text{a+/5} \\ \end{array}$$

$$b = y - 4 \Rightarrow y = b + 4$$

$$C = z - 3$$

$$d = t - 1$$

$$d = t + 1$$

$$3(1): a + b + c + d = 20 - 11 = 9$$

$$3(2) = C_{12}$$

$$3(3) = C_{12}$$

$$3(4) = C_{12}$$

$$3(5) = C_{12}$$

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$$C/S_{N_1} - S_{N_{1-1}} + 6_{N_{1-2}} = A_1 + A(N_1)$$

 $C/S_{N_1} - S_{N_{1-1}} + 6_{N_{1-2}} = A_1 + A(N_1)$
 $C/S_{N_1} - S_{N_{1-1}} + 6_{N_{1-2}} = A_1 + A(N_1)$

Giải hệ. thuế để quy tuyên tinh ko thuần nhất (2) bằng cách giải phương tinh thủ tung

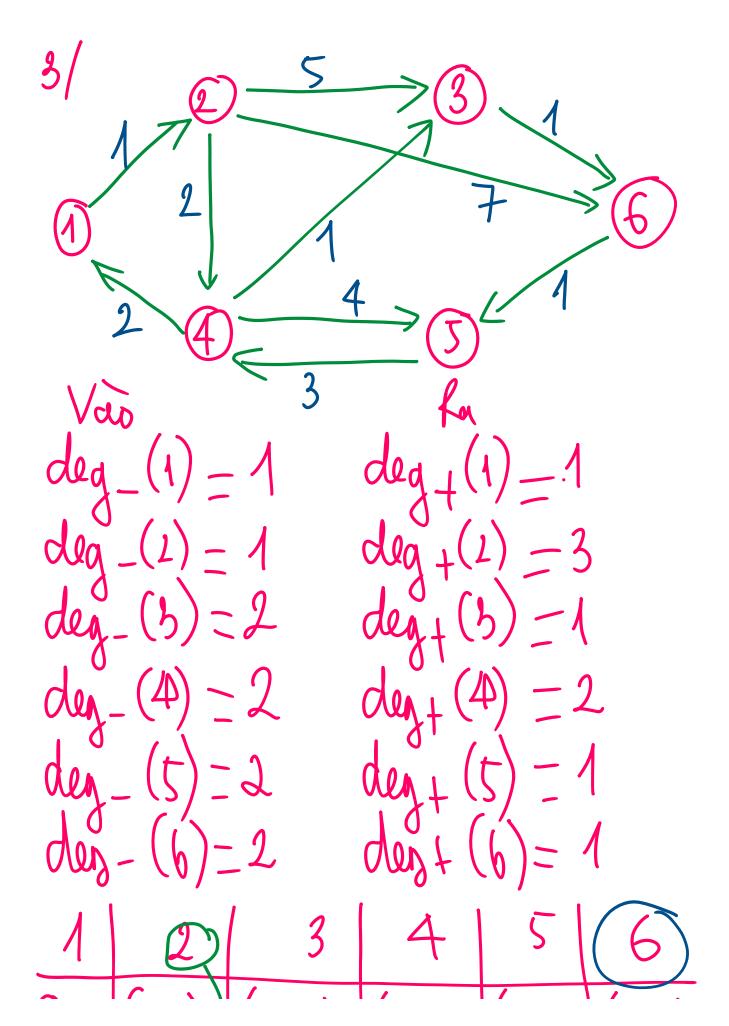
(3):
$$\lambda^2 - 5\lambda + 6 = 0$$

$$(=) \begin{bmatrix} \lambda_1 = 3 \\ \lambda_2 = 3 \end{bmatrix}$$

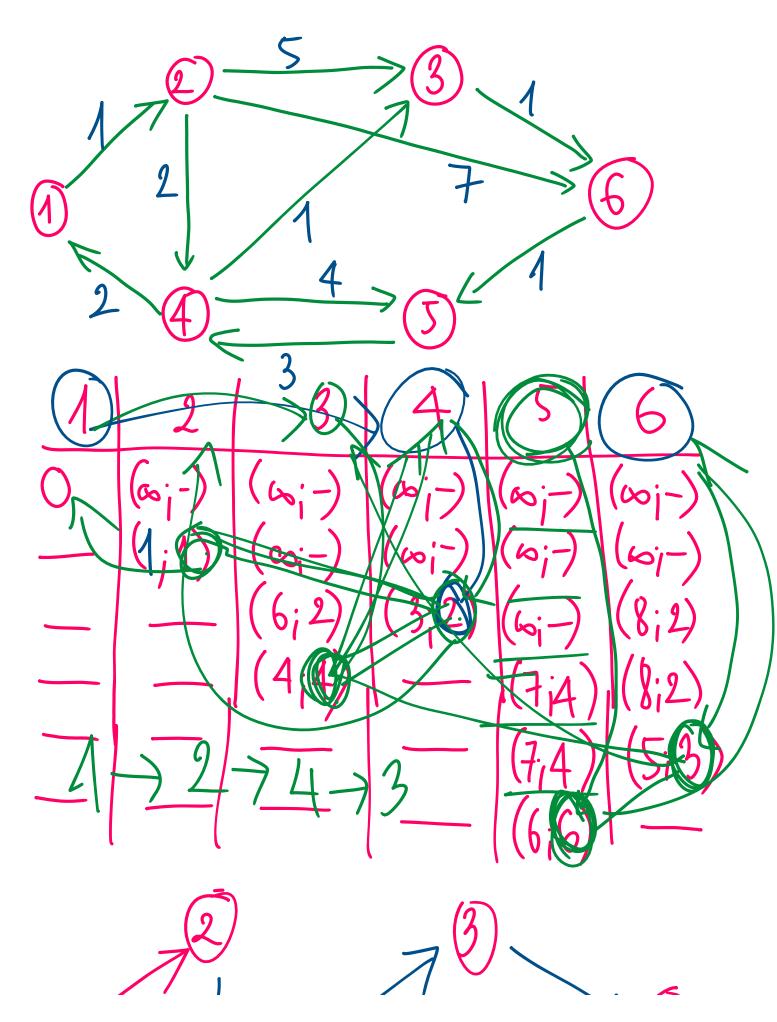
$$=) x_{1} = x_{1} + x_{2} + x_{3} + x_{4} + x_{5} = x_{1} + x_{2} + x_{5} + x$$

Ta 6:
$$f_n = \frac{2n+1}{n}$$

 $2n = \beta \cdot Q_r(n) = (1)(2n+1) = 2n+1$
 $4n = \beta \cdot (2n+b) = 1$ (2n+b) = an+b.
The $3g_n = \beta \cdot (2n+b) = 1$ (2n+b) = an+b.
The $3g_n = 2n+b$ (2n+b) = $2n+1$
 $2n = 3n - 5n - 1 + 6n - 2 = 2n+1$
 $2n = 2n+1$
 $2n = 3n + 6n - 2n = 3n - 2n+1$
 $2n = 2n+1$
 $2n = 3n + 6n - 2n = 3n - 2n+1$
 $2n = 2n+1$
 $2n = 2n+1$
 $2n = 2n+1$



$$\begin{array}{c} 0 & (\omega_{i}^{-}) & (\omega_{i$$



1-)2: 1 1727473:4 1-12-14:3 1-)2-)4-)3-)6-)5:6 1-)2 ->4->3->6:5 7,5.30% + 8. 10.30/1+7.70/

 $\frac{3}{2.4} + \frac{7.9}{5.6} = 7.9$ = 88