C_1: phân hoạch

valid: $16 \le x \le 17$ invalid: $x < 16$

$18 \le x \le 54$ $x > 54$

TC: 10, 17, 22, 66

+ bleo

TC: 15, 16, 17, 18, 30, 54, 55

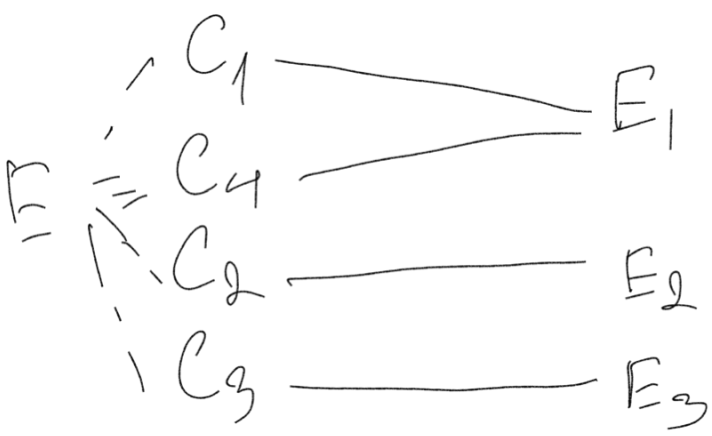
+ N-Q

C_1: $x < 16$ C_3: 18-54

C_2: 16-17 C_4: $55 < x$

E_1: Dthuê E_3: full time

E_2: bình thg



C_1	T	F	F	F
C_2	F	T	F	F
C_3	F	F	T	F
C_4	F	F	F	T
Kq	E_1	E_2	E_3	E_1

TC: $C_1 \to E_1$, $C_2 \to E_2$, $C_3 \to E_3$

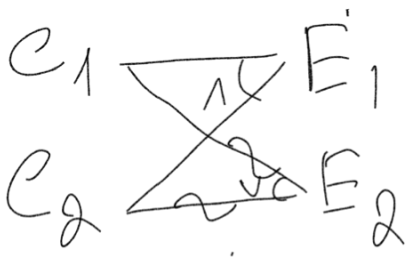
$C_4 \to E_1$

C_2:

+ N-Q

C_1: $1000\$ \leq x \leq 83333\$$ E_1: nhiều

C_2: $1 \leq q \leq 5$ E_2: ít nhiều



C_1	T	T	F	F
C_2	T	F	T	F
KQ	E_1	E_2	E_2	E_2

TC: $C_1 C_2 \to E_1$, $C_1 \overline{C_2} \to E_2$

$\overline{C_1} C_2 \to E_2$, $\overline{C_1}\,\overline{C_2} \to E_2$

C_3: Valid

C_1: người già

C_2: trẻ em

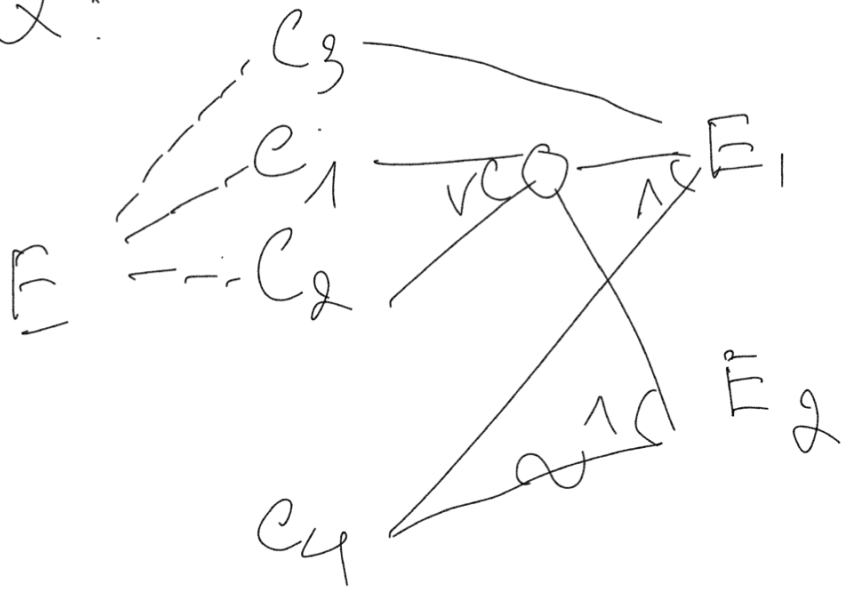
C_3: sinh viên

C_4: Cao tuổi

E_1: giảm 50%

E_2: giảm 100%

+ N-Q:



C_1	T	T	F	F	F	F
C_2	F	F	T	T	F	F
C_3	F	F	F	F	T	T
C_4	T	F	T	F	T	F
KQ	E_1	E_2	E_1	E_2	E_1	E_1

TC: $C_1C_4 \to E_1$, $C_1\overline{C_4} \to E_2$, $C_2C_4 \to E_1$

$C_2\overline{C_4} \to E_2$, $C_3C_4 \to E_1$, $C_3\overline{C_4} \to E_1$

C4 Valid

(Ca 1 ∧ chẵn) V (Ca 2 ∧ lẻ) | Ca 2 (full)

x ≥ 14

14 > x ≥ 11

11 > x ≥ 9

9 > x ≥ 6

x < 6

x ≥ 27

27 > x ≥ 24

24 > x ≥ 20

20 > x ≥ 15

x < 15

invalid

Ca 1 ∧ lẻ, Ca 2 ∧ chẵn

+ ph: ∧lẻ∧1, 1C∧20, 1C∧12, 1C∧10, 1C∧7, 1C∧3, 2l∧20, 2l∧12, 2l∧10, 2l∧7, 2l∧3, 2C∧1, 2∧30, 2∧25, 2∧21, 2∧16, 2∧10

C_5: C_1: >/ 7

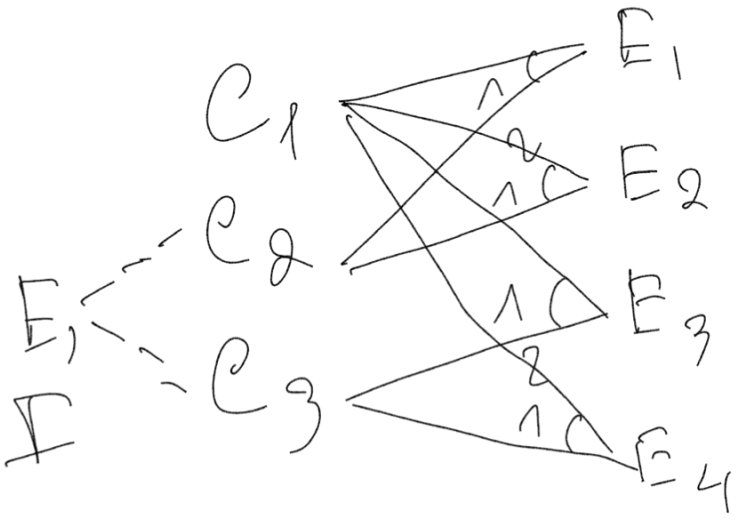
C_2: Business

C_3: Economy

E_1: 4tr E_4: 700k

E_2: 1,5tr

E_3: 3tr



C_1	TT	FF
C_2	TF	TF
C_3	RT	FT
KQ	E_1 E_3	E_2 E_4

TC: $\bar{C}_1 C_2 \rightarrow E_1$

$C_1 C_2 \rightarrow E_2$

$\bar{C}_1 C_3 \rightarrow E_3$.

$C_1 C_3 \rightarrow E_4$

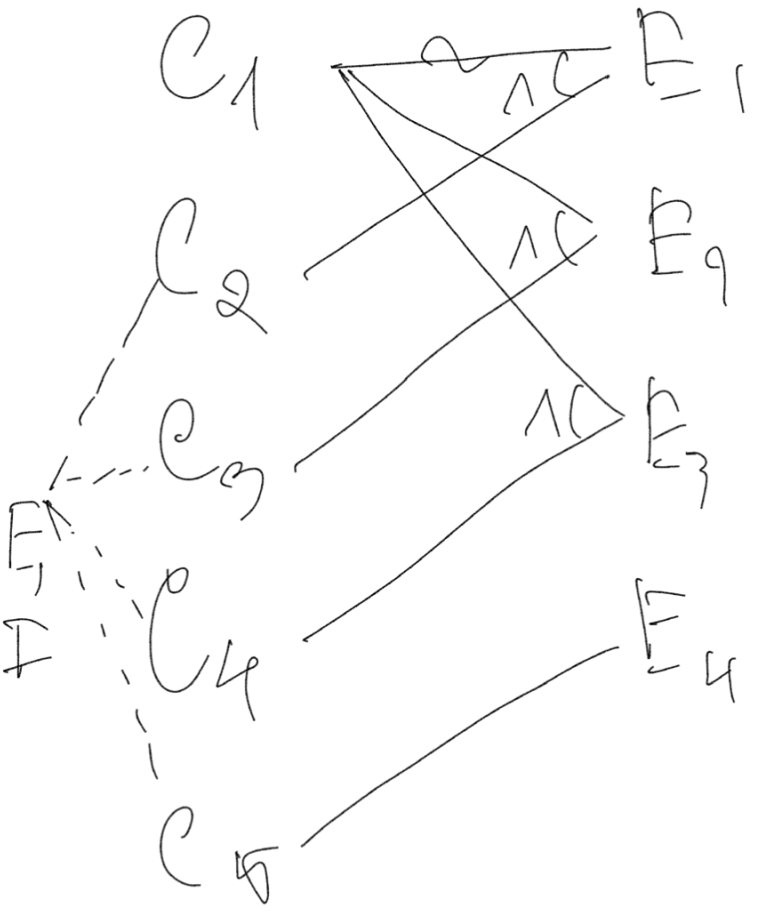
C_6: C_1: nam $\overline{C_1}$: nữ

C_2: < 65 C_4: 25 ≤ 64

C_3: < 25 C_5: ≥ 65

E_1: 500, E_2: 3000, E_3: 1000

E_4: 1500.



C_1	T	F	T	F	T	F
C_2	T	T	F	F	F	F
C_3	F	F	T	T	F	F
C_4	F	F	F	F	T	T
C_5	F	F	F	F	F	T
KQ	E_1	E_2	E_1	E_3	E_1	E_4

TC: $\overline{C_1}C_2 \to E_1$, $C_1C_3 \to E_2$, $\overline{C_1}C_3 \to E_1$

$C_1C_4 \to E_3$, $\overline{C_1}C_4 \to E_1$, $C_1C_5 \to E_4$

$\overline{C_1}C_5 \to E_4$

C_7: input — output

TT_1: A ⩾ B ⩾ C — Max A Min C

2 A ⩾ C ⩾ B — Max A Min B

3 B ⩾ A ⩾ C — Max B Min C

4 B ⩾ C ⩾ A — Max B Min A

5 C ⩾ A ⩾ B — Max C Min B

6 C ⩾ B ⩾ A — Max C Min A

(A ∧ B ∧ C)

TC: 3∧2∧1, 3∧1∧2, 1∧3∧2, 2∧3∧1, 1∧2∧3, 2∧1∧3

C_8: input

C_1 = x % 400 == 0

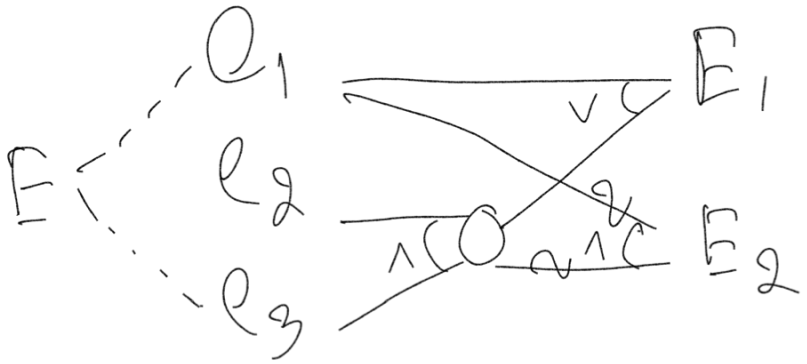
C_2 = x % 4 == 0

C_3 = x % 100 != 0

output

E_1 = πιθάνη

E_2 = Ο πιθάνη



C_1	T	T	F	F	F	F
C_2	T	F	T	T	F	F
C_3	F	F	T	F	T	F
RQ	E_1	E_1	E_1	E_2	E_2	E_2

C_9: input — output

C_1: $a+b>c$ — E_1: là $\triangle$

C_2: $b+c>a$ — E_2: nhọn

C_3: $a+c>b$ — E_3: vuông

C_4: $a^2=b^2+c^2$ — E_4: đều

C_5: $b^2=a^2+c^2$ — E_5: cân

C_6: $c^2=b^2+a^2$ — E_6: tù

C_7: $a==b$

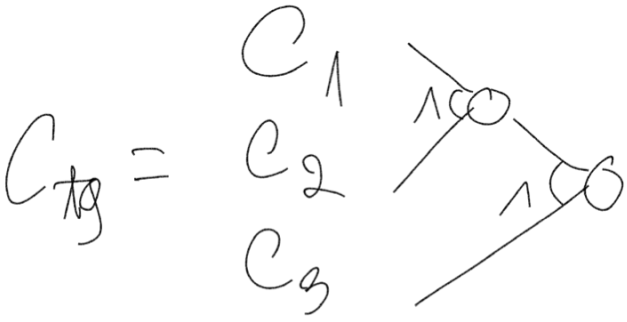
C_8: $b==c$

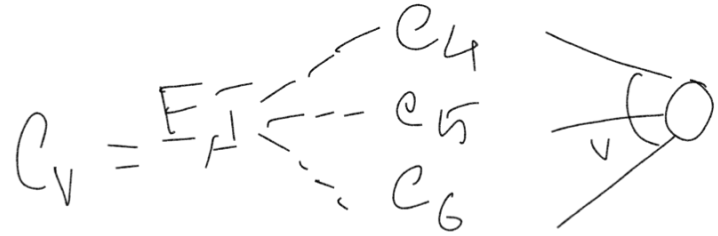
C_9: $a==c$

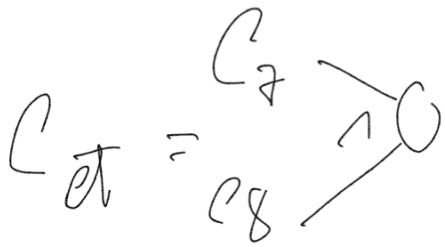
C_{10}: $a^2+b^2<c^2$

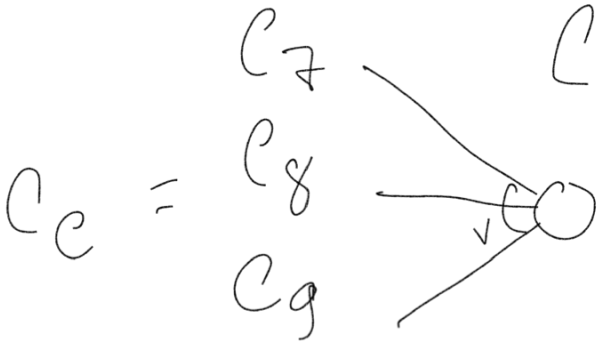
C_{11}: $b^2+c^2<a^2$

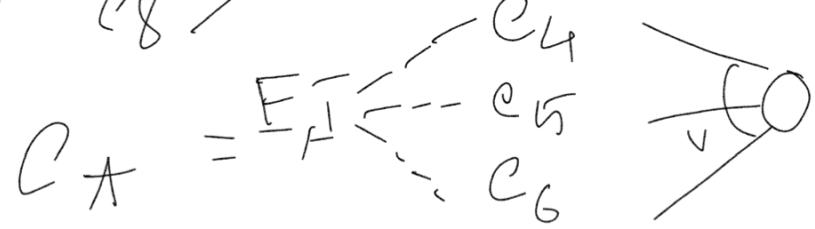
C_{12}: $a^2+c^2<b^2$

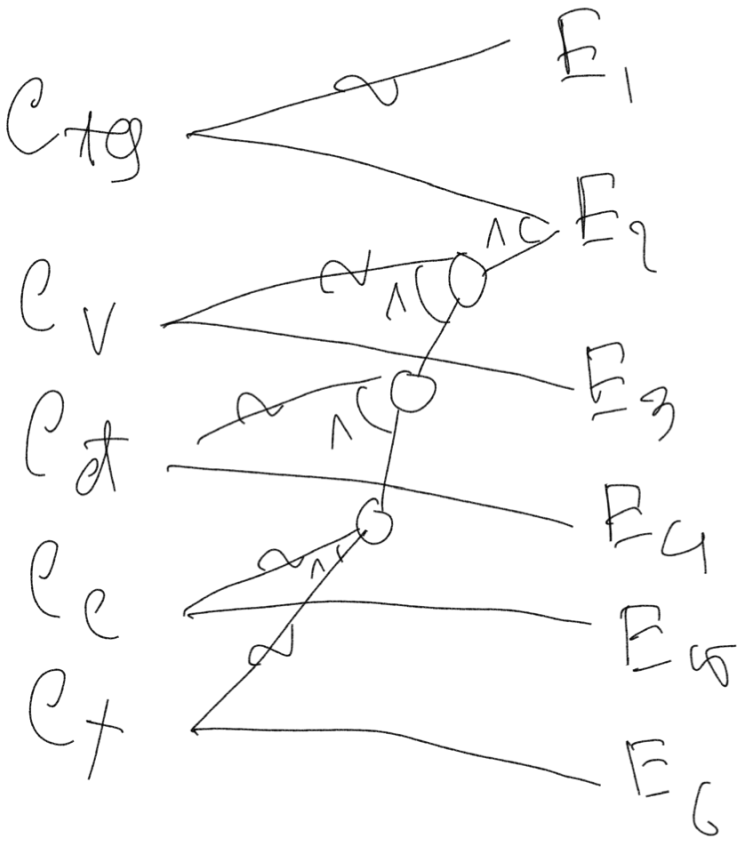

C_{tg} =
C_1
C_2
C_3


C_V =
E_1
C_4
C_5
C_6
V


C_{ct} =
C_7
C_8


C_c =
C_7
C_8
C_9
V


C_t =
E_1
C_4
C_5
C_6
V


C_{tg}
C_V
C_{ct}
C_c
C_t
E_1
E_2
E_3
E_4
E_5
E_6

C_{tg}	T	T	T	T	T	T	F
C_v	T	F	F	F	F	F	F
C_d	F	T	T	F	F	F	F
C_c	F	F	T	T	F	F	F
C_t	F	F	F	F	T	F	F
KQ	E_3	E_4	E_4	E_5	E_6	E_2	E_1

input

$ax + b = 0$

$a \neq 0$

output

$x = \frac{-b}{a}$

vô nghiệm

TC: 0,9; -1,5

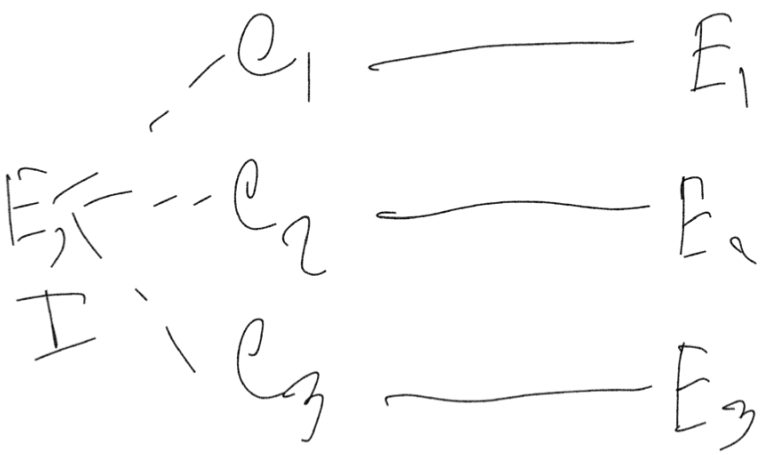
C_{10}: input $ax^2+bx+c=0$, $\Delta = b^2-4ac$

output: vô nghiệm, nghiệm kép, nghiệm phân biệt

$C_1: \Delta < 0$ E_1: vn

$C_2: \Delta = 0$ E_2: nK

C_3 $\Delta > 0$ E_3: npb



C_1	T	F	F
C_2	F	T	F
C_3	F	F	T
Kq	E_1	E_2	E_3

TQ: $C_1 \to E_1$, $C_2 \to E_2$, $C_3 \to E_3$