

Câu 1

pt b 1: -

write('Nhap a: '), read(A),

write('Nhap b: '), read(B),

$A = 0, B = 0 \rightarrow$ write('PT VSN')

$A = 0, B \neq 0 \rightarrow$ write('PT VN')

$A \neq 0 \rightarrow$ write('PT có nghiệm: $x = ', B/A$).

pt b 2: - write('Nhap c: '), read(C),

D is $B^2 - 4 * A * C$, ~~write~~

$A = 0 \rightarrow$ pt b 1.

$A \neq 0$,

$D < 0 \rightarrow$ write('PT VN'),

$D = 0 \rightarrow$ write('PT có nghiệm kép $x = ', -B/(2*A)$),

$D > 0 \rightarrow$ write('PT có 2 nghiệm phân biệt:

$x_1 = ', (-B + \text{sqrt}(D))/(2*A), ' x_2 = ',$

$(-B - \text{sqrt}(D))/(2*A)$).

Câu 2

Date: No:

$dk(0, 1)$.

$dk(N, F) :-$

$N > 0,$

N_1 is $N - 1,$

$dk(N_1, F_1),$

F is $N * F_1.$

$tr(N, k, p) :-$

$dk(N, ~~FN~~ FN),$

$dk(N - k, FN_1),$

p is $FN / FN_1.$

$npk :-$

$write('Nhap n = '), read(N),$

$write('Nhap k = '), read(k),$

$tr(N, p, k),$

$write(k), write('p'), write(N), write(' = ', p).$

Câu 3

ngto (A, B) :-

N is $B * B$,

$N \leq A$,

$A \bmod B = 0$.

ngto (A, B) :-

$B < A$,

B1 is $B + 1$,

ngto (A, B1).

ktra SNT (A) :-

B is 2,

$A > 1$,

\+ ngto (A, B)

-> write (A), write ('La so nguyen To');
write (A), write ('Khong la so nguyen To').