

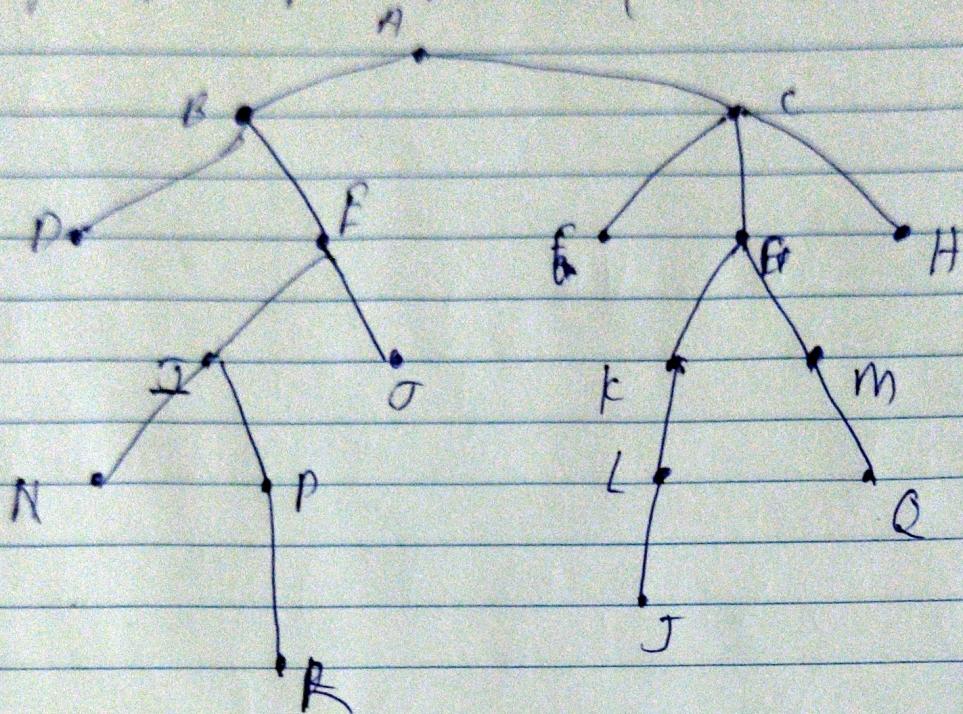
Bài 1: Chia đồ thị

Chia $\eta = A$; Goal: $\{J, P\}$

- Tìm Ag. đi từ η tới Goal bằng P^c .

a) Tùy ý tìm theo cách tổng (BF^S)

b) Tùy ý tìm theo cách sẵn (DFS)



a) (BF^S)

n $B(n)$

~~0~~

A B, C

B ~~C~~, D, E

C E, G, H

D \emptyset

E I, J

F Q

G K, M

H ~~I~~

I N, P

J \rightarrow dừng

mo

A

B, C

C, D, E

D, E, F, G, H

F, G, H, I, J

G, H, I, J

G, H, I, J, K, M

I, K, M

N, P

N, P

DONG

A

A, B

A, B, C

A, B, C, D

A, B, C, D, E

A, B, C, D, E, F

A, B, C, D, E, F, G

A, B, C, D, E, F, G, H

A, B, C, D, E, F, G, H, I

A, B, C, D, E, F, G, H, I

cha

con

A

B

A

C

B

D

B

E

C

F

C

G

C

H

E

F

E

I

G

K

C

M

$\rightarrow \text{cha}(S) = L ; \text{cha}(L) = B ; \text{cha}(B) = A.$

$\rightarrow \text{dig. of } p = A \rightarrow B \rightarrow L \rightarrow S$

b) (PFS)
n B(n)

ga cha
mo DONG

cha son

A.

A B C

B C

A

A

B

B P E

D E C

A B

A

C

D \emptyset

E C

A B D

B

D

E I J

I J C ~~2G~~

A B D E

B

E

G I N P

~~3A~~ N P J C

A B D E I

E

I

N \emptyset

P J C

A B P E I N

E

I

P R

P J C

A B D E I N P

I

N

J \rightarrow ding

~~P J C~~

A B D E I N P

P

R

$\text{cha}(J) = E ; \text{cha}(E) = B ; \text{cha}(B) = A.$

$\rightarrow p: A \rightarrow B \rightarrow E \rightarrow J.$