

GRAFI

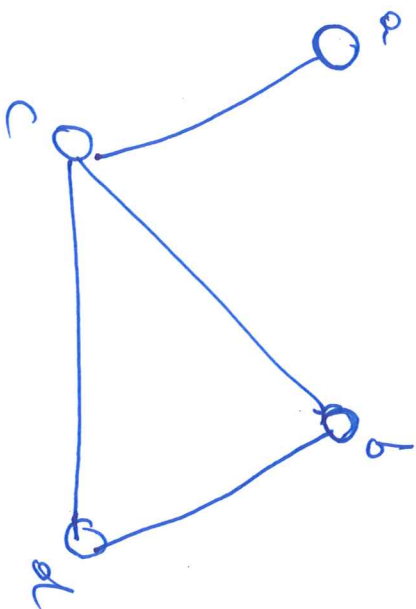
$$G = (N, A)$$

$N =$  insieme dei Nodi

$A =$  Archi

$$A \subseteq N \times N$$

$$\text{GRADO}(b) = 2$$



ASDL 16/17  
2/2/2017 (1)

NON ORIENTATO

UNDIRECTED

$$N = \{a, b, c, d\}$$

$$A = \{(a,c), (c,a), (c,b), (b,c),$$

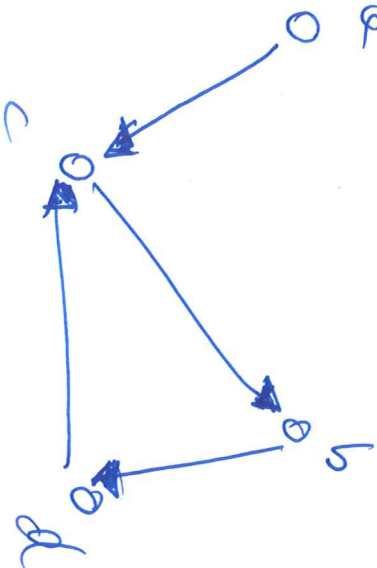
$$(b,d), (d,b), (c,d), (d,c)\}$$

$$\text{GRADO IN ENTRATA}(b) = 1$$

$$\text{USCITA}(b) = 1$$

ORIENTATO

DIRECTED

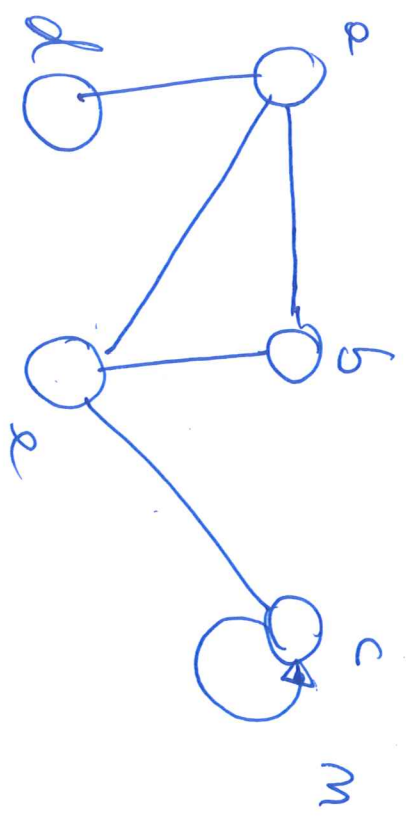


$$A = \{(a,c), (c,b), (b,d), (d,c)\}$$

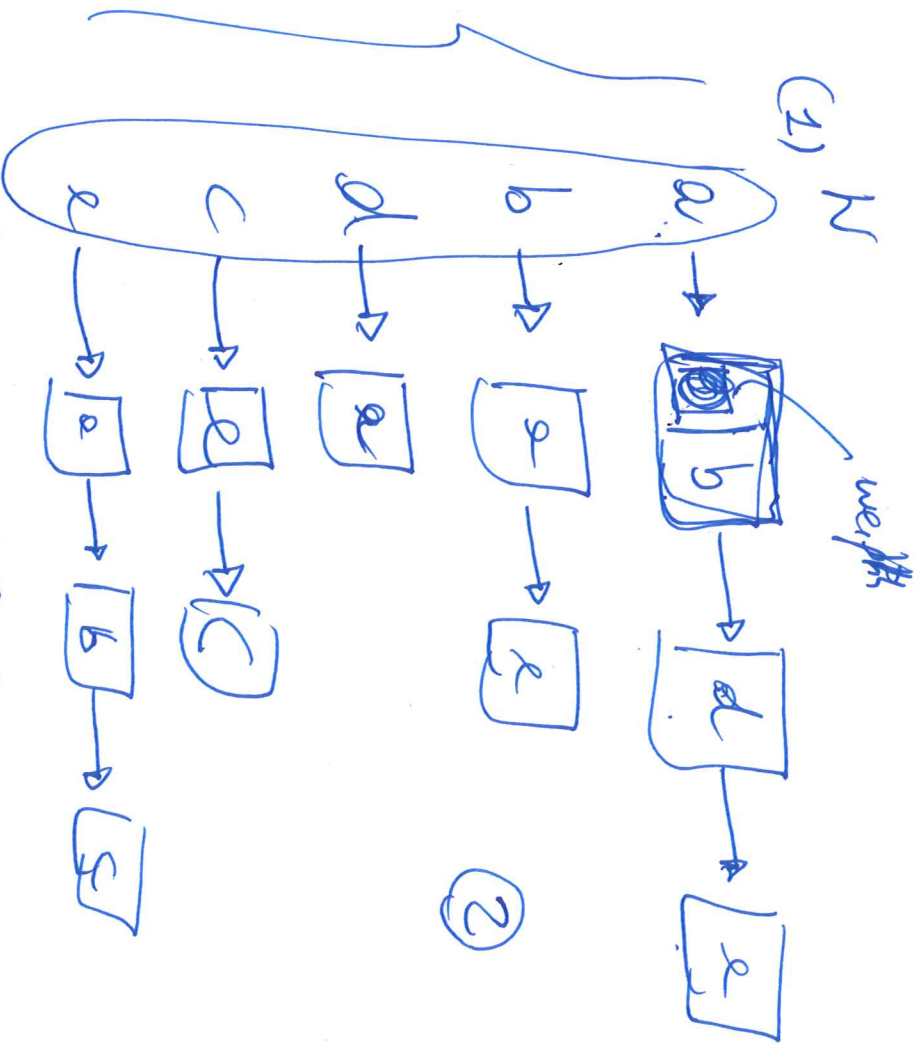
# RAPPRESENTAZIONI

LISTE DI ADIACENZA  $\sqrt{(2)}$

MATRICE DI ADIACENZA (2)



(1)  $N$



$\{a, b, c, d, e\}$

$O(n^2)$

(2)

	a	b	c	d	e
a	0	1	0	1	1
b	1	0	0	0	1
c	0	0	1	0	0
d	1	0	0	1	0
e	1	1	1	1	0

$\Omega(n^2)$

$\Omega(n^2)$  bit

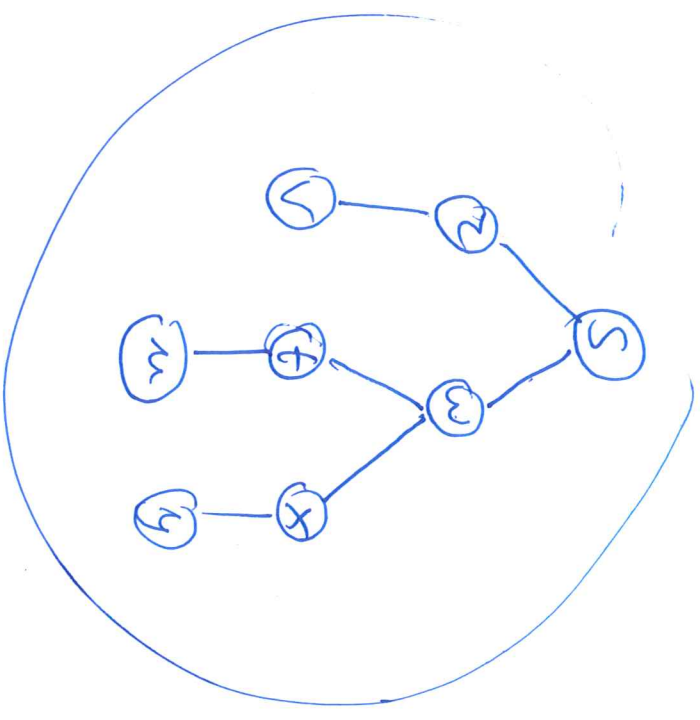
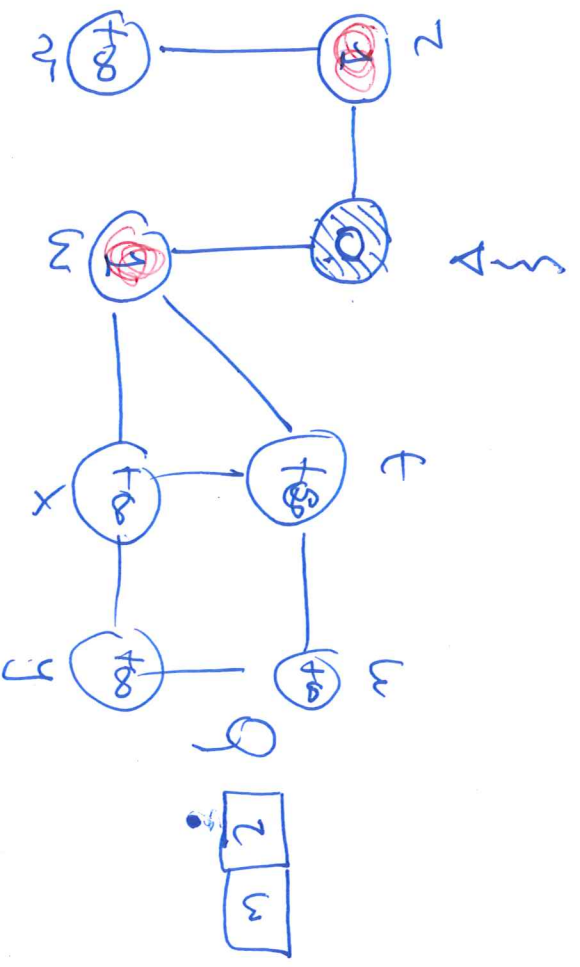
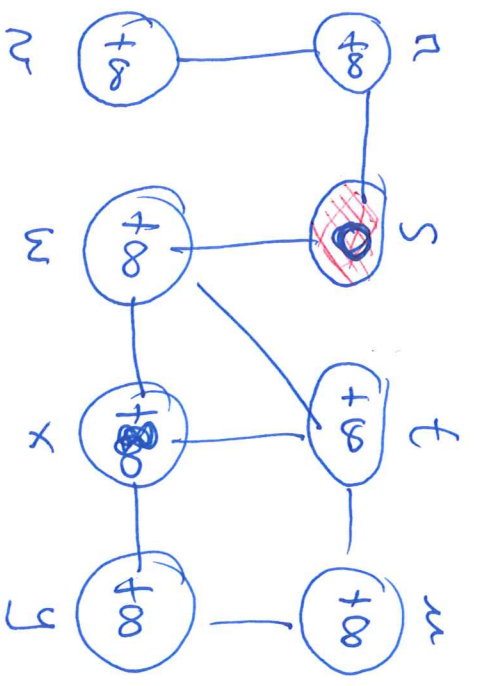
$\#N = m$

$\#A = m$

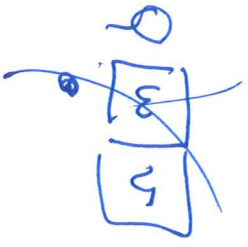
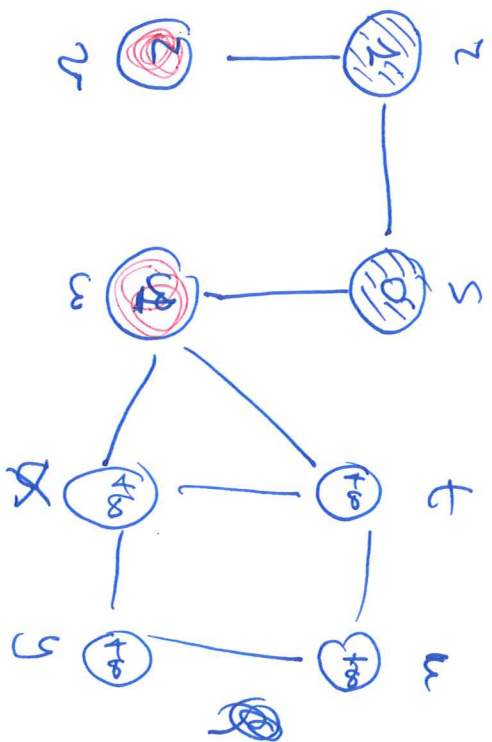
Size =  $M + m$

BFS (S)

Breadth - First Search



ALBERO DI COPENRU



④

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