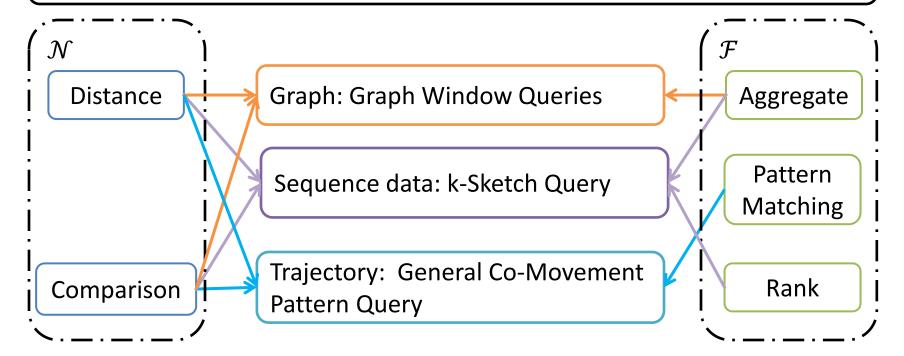
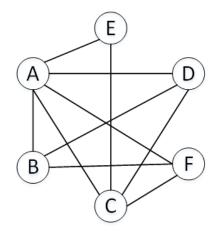
ID	Season	Region	Sales	SUM()	AVG()
1	1	West	5100	5100	5100
2	2	West	5200	10300	5150
3	3	West	5200	15500	5166
4	4	West	4500	20000	5000
5	1	East	5000	5000	5000
6	2	East	4400	9400	4700
7	3	East	4800	14200	4733
8	4	East	5100	19300	4825

├─ Window of Tuple 3

SELECT Season, Region, Sales,
SUM(), AVG(), OVER(PARTITION
BY Region ORDER BY Season
DESC)
FROM employee;

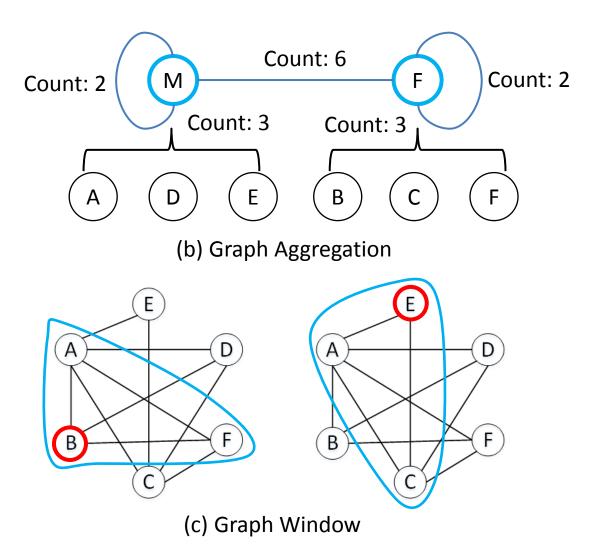


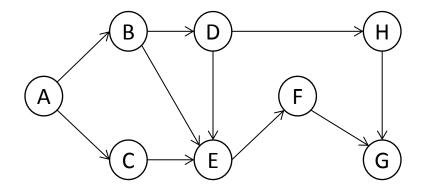




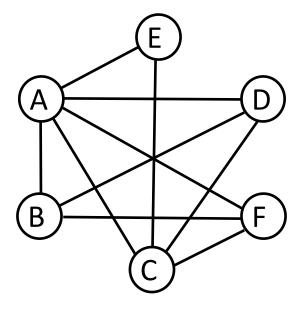
User	Age	Gender
Α	21	М
В	26	F
С	30	F
D	22	М
E	28	М
F	23	F

(a) Mini social network



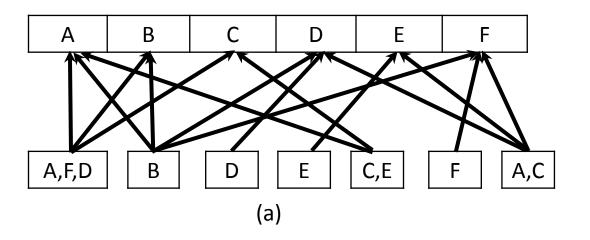


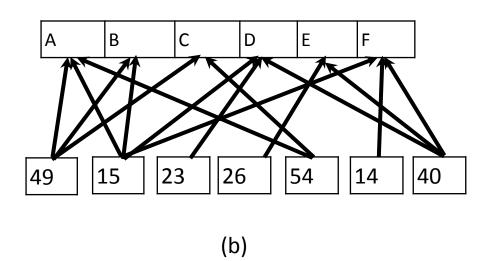
ID	Туре	ID	Туре
Α	Enzyme	Е	Enzyme
В	Cytokine	F	Cytokine
С	Transporter	G	Enzyme
D	Enzyme	Н	Transporter



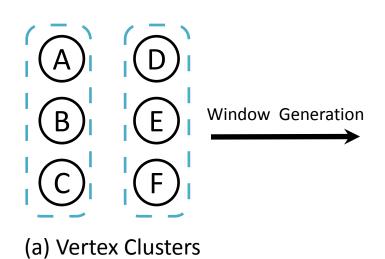
User	Age	Gender	Industry	Posts
А	21	М	IT	12
В	26	F	IT	15
С	30	F	Finance	28
D	22	М	Finance	23
E	28	М	Power	26
F	23	F	Power	14

(a) (b)





Vertex	Sum
Α	118
	64
В	103
	78
С	103
D	78
E (	66
F	55



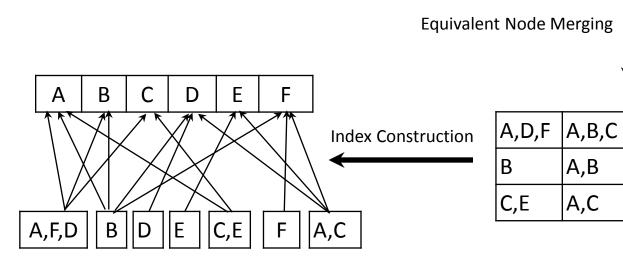
Cluster C<sub>1</sub>

Node	Window	
Α	A,B,C	
В	A,B	
С	A,C	
D	A,B,C	
E	A,C	
F	A,B,C	

Cluster C<sub>2</sub>

<b>3</b> .4.5 tel. 62		
Node	Window	
Α	D,E,F	
В	D,F	
С	D,E,F	
D	D	
E	E	
F	F	

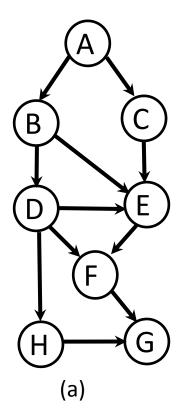
(b) Inverted Window List

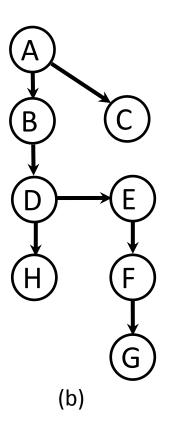


A,C D,E,F
B D,F
D D
E E

(d) DBIndex

(c) Equivalent Nodes





D	PID	WD
Α	nil	nil
В	А	nil
С	А	nil
D	В	nil
Е	D	С
F	E	nil
G	F	Н
Η	D	nil

(c)