

**LAPORAN TEORI**  
**MATKUL ALGORITMA DAN STRUKTUR DATA**  
**PERTEMUAN 15: GRAPH**



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## Latihan 1

Ubah matrix berikut ke dalam bentuk graf!

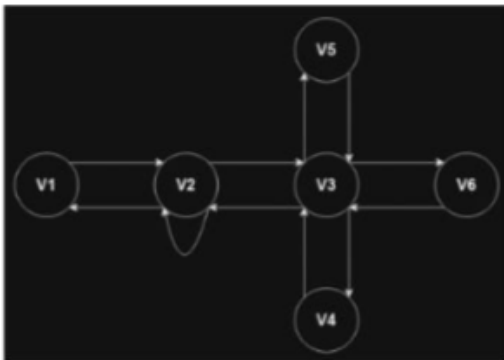
a.

	V1	V2	V3	V4	V5	V6
V1	0	1	0	0	0	0
V2	1	1	1	0	0	0
V3	0	1	0	1	1	1
V4	0	0	1	0	0	0
V5	0	0	1	0	0	0
V6	0	0	1	0	0	0

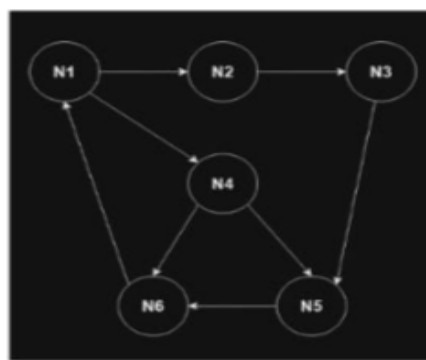
b.

	N1	N2	N3	N4	N5	N6
N1	0	2	0	6	0	0
N2	0	0	3	0	0	0
N3	0	0	0	0	1	0
N4	0	0	0	0	4	2
N5	0	0	0	0	0	7
N6	5	0	0	0	0	0

a.



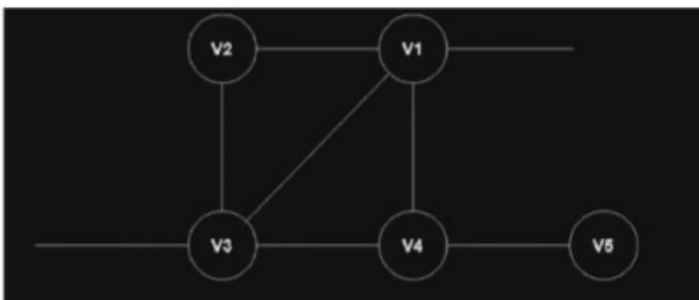
b.



## Latihan 2

Ubah matrix berikut ke dalam bentuk graf!

	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>4</sub>	e <sub>5</sub>	e <sub>6</sub>	e <sub>7</sub>	e <sub>8</sub>
V1	1	1	0	1	1	0	0	0
V2	1	0	1	0	0	0	0	0
V3	0	1	1	0	0	1	1	0
V4	0	0	0	1	0	1	0	1
V5	0	0	0	0	0	0	0	1



### *Latihan 3*

a.

	A	B	C	D	E	F
A		5		8	3	
B	5		2		6	
C		2			3	1
D	8				4	
E	3	6	3	4		7
F			1		7	

b.

A -> E -> C -> F

c.

A -> B -> C -> F -> E -> D