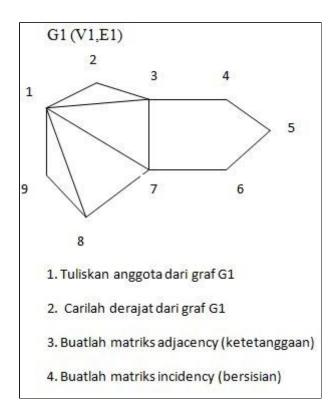
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Tugas VClass 1 Graf & Analisis Algoritma



1. Tuliskan anggota dari graf G1

$$V = (1, 2, 3, 4, 5, 6, 7, 8, 9)$$

 $e = (1.2, 1.3, 1.7, 1.8, 1.9, 2.1, 2.3, 3.4, 3.7, 4.5, 5.6, 6.7, 7.8, 8.9)$

2. Carilah derajat dari graf G1

$$D(1) = D(3) = 2$$
 $D(3) = D(5) = 2$
 $D(1) = D(7) = 3$ $D(4) = D(6) = 2$
 $D(1) = D(8) = 4$ $D(5) = D(7) = 2$
 $D(1) = D(9) = 5$

3. Buatlah matriks adjacency (ketetanggaan)

	1	2	3	4	5	6	7	8	9
1	0	1	1	0	0	0	1	1	1
2	1	0	1	0	0	0	0	0	0
3	1	1	0	1	0	0	1	0	0
4	0	0	1	0	1	0	0	0	0
5	0	0	0	1	0	1	0	0	0
6	0	0	0	0	1	0	1	0	0
7	1	0	1	0	0	1	0	1	0
8	1	0	0	0	0	0	1	0	1
9	1	0	0	0	0	0	0	1	0

4. Buatlah matriks incidency (bersisian)

	E1	E2	E3	E4	E5	E6	E7	E8	E9
1	1	1	0	0	0	0	1	1	1
2	1	0	1	0	0	0	0	0	0
3	0	1	1	1	0	0	0	0	0
4	0	0	0	1	1	0	0	0	0
5	0	0	0	0	1	1	0	0	0
6	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	1	0	0
8	0	0	0	0	0	0	0	1	0
9	0	0	0	0	0	0	0	0	1