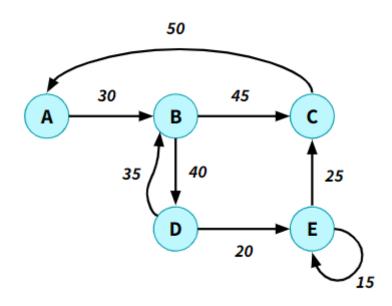
Core Data Structures Graphs

(correction of the course exercise)

1. Graph



2. Adjacency Matrix and List

	A	В	С	D	E
A	0	30	0	0	0
В	0	0	45	40	0
С	50	0	0	0	0
D	0	35	0	0	20
E	0	0	25	0	15

PALISSON Antoine 1

Introduction to Algorithms and Data Structures

City A
$$\rightarrow$$
 [('B', 30)]

City B
$$\rightarrow$$
 [('C', 45), ('D', 40)]

City
$$C \rightarrow [('A', 50)]$$

City
$$D \rightarrow [('E', 20), ('B', 35)]$$

City
$$E \rightarrow [('C', 25), ('E', 15)]$$

3. Path Matrix

	A	В	С	D	E
A	0	30	75	70	90
В	95	0	45	40	60
С	50	80	0	120	140
D	95	35	45	0	20
E	75	105	25	145	15

PALISSON Antoine 2