This is the first title page.

First table of contents

1	$\mathbf{Int}_{\mathbf{I}}$. 0	2											
	1.1	Graphs and digraphs	2											
	1.2	Computational complexity	2											
	1.3	Graph classes	2											
		1.3.1 Semicomplete and tournament	2											
		1.3.2 Round	2											
		1.3.3 Acyclic	2											
		1.3.4 transitive	2											
		1.3.5 Quasi-transitive	2											
		1.3.6 bipartite and multipartite	2											
		1.3.7 locally semicomplete	2											
2	NP	-hard problems	3											
	2.1	Linkage	3											
	2.2	Hamilton cycle	3											
	2.3	Weak-linkage	3											
	2.4	strong spanning subdigraphs	3											
3	Ger	General decomposable												
	3.1	Properties	4											
	3.2	Decomposability	4											
	3.3	Improving the computational bounds	4											
4	4													
	4.1	Properties	5											
	4.2	Decomposability	5											
	4.3	Improving the computational bounds	5											
5	Locally semicomplete													
	5.1	Properties	6											
	5.2	Decomposability	6											
	5.3	Improving the computational bounds	6											

Intro

- 1.1 Graphs and digraphs
- 1.2 Computational complexity
- 1.3 Graph classes
- 1.3.1 Semicomplete and tournament
- 1.3.2 Round
- 1.3.3 Acyclic
- 1.3.4 transitive
- 1.3.5 Quasi-transitive
- 1.3.6 bipartite and multipartite
- 1.3.7 locally semicomplete

NP-hard problems

- 2.1 Linkage
- 2.2 Hamilton cycle
- 2.3 Weak-linkage
- 2.4 strong spanning subdigraphs

General decomposable

- 3.1 Properties
- 3.2 Decomposability
- 3.3 Improving the computational bounds

Quasi-transitive digraphs

- 4.1 Properties
- 4.2 Decomposability
- 4.3 Improving the computational bounds

Locally semicomplete

- 5.1 Properties
- 5.2 Decomposability
- 5.3 Improving the computational bounds

This is the second title page.

Second table of contents

6	Intr	o 3											
	6.1	Graphs and digraphs											
	6.2	Computational complexity											
	6.3	Graph classes											
		6.3.1 Semicomplete and tournament $\dots \dots 3$											
		6.3.2 Round											
		6.3.3 Acyclic											
		6.3.4 transitive $\dots \dots \dots$											
		6.3.5 Quasi-transitive											
		6.3.6 bipartite and multipartite											
		6.3.7 locally semicomplete											
7	Dec	omposable digraphs 4											
	7.1	Quasi-transitive digraphs 4											
	7.2	Locally semicomplete											
	7.3	ϕ -decomposable											
8	Patl	a cover, Hamilton cycles and pancyclic digraphs 5											
	8.1	Introduction to problem $\dots \dots \dots$											
		8.1.1 Mabey why it is NP-hard											
	8.2	Decomposable graphs in general											
	8.3	Quasi-transitive digraphs $\dots \dots \dots$											
	8.4	locally semicomplete digraphs											
9	Linkage 6												
	9.1	Introduction to problem											
		9.1.1 Mabey why it is NP-hard 6											
	9.2	Decomposable graphs in general 6											
	9.3	Quasi-transitive digraphs 6											
	9.4	locally semicomplete digraphs											
10	Wea	ık k-linkage 7											
	10.1	Introduction to problem											
		10.1.1 Mabey why it is NP-hard											
	10.2	Decomposable graphs in general											
	10.3	Quasi-transitive digraphs											
	10.4	locally semicomplete digraphs											
11	Strong spanning subdigraphs 8												
		Introduction to problem											
		11.1.1 Mabey why it is NP-hard											
	11.2	Decomposable graphs in general											

11.3	Quasi-transitive digraphs										8
11.4	$locally\ semicomplete\ digraphs$										8

Intro

- 6.1 Graphs and digraphs
- 6.2 Computational complexity
- 6.3 Graph classes
- 6.3.1 Semicomplete and tournament
- 6.3.2 Round
- 6.3.3 Acyclic
- 6.3.4 transitive
- 6.3.5 Quasi-transitive
- 6.3.6 bipartite and multipartite
- 6.3.7 locally semicomplete

Decomposable digraphs

- 7.1 Quasi-transitive digraphs
- 7.2 Locally semicomplete
- 7.3 ϕ -decomposable

Path cover, Hamilton cycles and pancyclic digraphs

- 8.1 Introduction to problem
- 8.1.1 Mabey why it is NP-hard
- 8.2 Decomposable graphs in general
- 8.3 Quasi-transitive digraphs
- 8.4 locally semicomplete digraphs

Linkage

- 9.1 Introduction to problem
- 9.1.1 Mabey why it is NP-hard
- 9.2 Decomposable graphs in general
- 9.3 Quasi-transitive digraphs
- 9.4 locally semicomplete digraphs

Weak k-linkage

- 10.1 Introduction to problem
- 10.1.1 Mabey why it is NP-hard
- 10.2 Decomposable graphs in general
- 10.3 Quasi-transitive digraphs
- 10.4 locally semicomplete digraphs

Strong spanning subdigraphs

- 11.1 Introduction to problem
- 11.1.1 Mabey why it is NP-hard
- 11.2 Decomposable graphs in general
- 11.3 Quasi-transitive digraphs
- 11.4 locally semicomplete digraphs