Mining and process industries
6.1 Production of alloys
6.2 Animal food production
6.3 Refinery
6.4 Cane sugar production
6.5 Opencast mining
6.6 Production of electricity

Scheduling problems
7.1 Construction of a stadium
7.2 Flow-shop scheduling
7.3 Job Shop Scheduling
7.4 Sequencing jobs on a bottleneck machine
7.5 Paint production
7.6 Assembly line balancing

Planning problems
8.1 Planning the production of bicycles
8.2 Production of drinking glasses
8.3 Material Requirement Planning
8.4 Planning the production of electronic components
8.5 Planning the production of fiberglass
8.6 Assignment of production batches to machines

Loading and cutting problems
9.1 Wagon load balancing
9.2 Barge loading
9.3 Tank loading
9.4 Backing up files
9.5 Cutting sheet metal
9.6 Cutting steel bars for desk legs
Ground transport
10.1 Car rental
10.2 Choosing the mode of transport
10.3 Depot location
10.4 Heating oil delivery
10.5 Combining different modes of transport
10.6 Fleet planning for vans

Air transport
11.1 Flight connections at a hub
11.2 Composing flight crews
11.3 Scheduling flight landings
11.4 Airline hub location
11.5 Planning a flight tour

Telecommunication problems
12.1 Network reliability
12.2 Dimensioning of a mobile phone network
12.3 Routing telephone calls
12.4 Construction of a cabled network
12.5 Scheduling of telecommunications via satellite
12.6 Location of GSM transmitters

Economics and finance
13.2 Publicity campaign
13.3 Portfolio selection
13.4 Financing an early retirement scheme
13.5 Family budget
13.6 Choice of expansion projects
13.7 Mean variance portfolio selection

Timetabling and personnel planning
14.1 Assigning personnel to machines
14.2 Scheduling nurses
14.3 Establishing a college timetable
14.4 Exam scheduling
14.5 Production planning with personnel assignment
14.6 Planning the personnel at a construction site

Local authorities and public services
15.1 Water conveyance / water supply management
15.2 CCTV surveillance
15.3 Rigging elections
15.4 Gritting roads
15.5 Location of income tax offices
15.6 Efficiency of hospitals