

No	*.BDT	Task description
1	E-1	Heat mixer
2	E-2	Simple heat exchanger
3	E-3	Complex heat exchanger
4	E-4	Balance of steam generator
5	E-5	Condenser - feed water preheat
6	E-6	Expander
7	E-7	Throttling of steam - high pressure
8	E-8	Separator of condensate
9	E-9	The pump
10	E-10	Turbine + FW preheat
11	E-11	Balance of SG with phase equilibrium
12	E-12	Steam cooling by spray
13	E-13	Net of heat exchangers
14	E-14	Combustion of natural gas – mass balance
15	E-15	Combustion of the soft coal
16	E-16	Simplified soft coal boiler
17	H-1	A gravitational flow
18	H-2	Pumping of water, 2 pumps
19	H-3	Local losses
20	H-4	Gravitational flow in parallel pipelines
21	H-5	A hydraulic network
22	H-6	Collection of crude oil from fields
23	H-7	Menon, GPH p.87, model SRK/API
24	H-8	Gas pipeline system - example 1
25	H-9	Cerro Fortuso gas production field - example 2
26	MC-1	Single-component balance - no redundancy
27	MC-2	Single-component balance, redundancy
28	MC-3	Single-component balance with gross error
29	MC-4	Single-component balance unobservable
30	MC-5	Single-component balance overspecified
31	MC-6	Component balance of system of 3 dist. columns
32	MC-7	Material balance of chlorination reactor
33	MC-8	Ammonia reactor
34	MC-9	Flotation circuit
35	MC-10	Combustion of the soft coal
36	MC-21X	Dynamic balance of a tank
37	MC-31X	A batch reactor
38	UDE-1	Sum of 2 variables
39	UDE-2	Difference of 2 variables
40	UDE-3	Product of 2 variables
41	UDE-4	Calculation of a flow
42	UDE-5	Mass balance
43	UDE-6	Simulation of a heat exchanger
44	UDE-7	Mass balance - redundant data
45	UDE-8	Reconciliation of a heat exchanger