Problem 2	Cooling of gas and solutions with air coolers
The essence of the	In summer all air coolers work inefficiently. The
problem	technological mode is disturbed, large water
	consumption is required. At the required temperature
	of 40 degrees, even at maximum operation of cooling
	systems temperature is 50 degrees, which affects the
	operation of compressors, their overheating. In
	general, this occurs in a very hot period, the full load
	of cooling systems works about 25 days a year. Water
	consumption per day reaches 50-60 cubic meters per
	day, if 4 compressors are working at once.
Technological	The cooling system must effectively cover 6 units of
parameters	cooling compressors in each 2-3 units (compressors).
	It is also necessary that it cools the amine purification
	unit on gas (1 block) and the unit on solution (1
	block), as well as propane-cooling unit.
Scale of the problem	The technological mode of the whole workshop is
	disturbed, there is a large consumption of water for
	cooling, additional energy resources are required,
	corrosion of air-cooling apparatus housings. The scale
	of the problem includes the entire gas treatment cycle,
	and wear and tear of all key equipment units is
	increasing.