– maximal operation time for every machine (constant)

– time for solving task/test with index (constant)

– total number of tests (constant)

– index of machine

– maximal number of machines (constant). It is not real number of machines. Value M is used to find feasible solution.

– indicates that task/test with index on machine is arranged for solving (Boolean variable)

Limiting the maximum time for each machine:

Force all tests to run only once:

– indicates that machine uses to operate with any task/tests

The objective function represents the number of active machines that have completed any tasks/tests: