

NAG Library Chapter Contents

H – Operations Research

H Chapter Introduction

Routine Name	Mark of Introduction	Purpose
H02BBF	14	nagf_mip_ilp_dense Integer LP problem (dense)
H02BFF	16	nagf_mip_ilp_mpsx Interpret MPSX data file defining IP or LP problem, optimize and print solution
H02BUF	16	nagf_mip_ilp_mpsx_convert Convert MPSX data file defining IP or LP problem to format required by H02BBF or E04MFF/E04MFA
H02BVF	16	nagf_mip_ilp_print Print IP or LP solutions with user-specified names for rows and columns
H02BZF	15	nagf_mip_ilp_info Integer programming solution, supplies further information on solution obtained by H02BBF
H02CBF	19	nagf_mip_iqp_dense Integer QP problem (dense)
H02CCF	19	nagf_mip_iqp_dense_optfile Read optional parameter values for H02CBF from external file
H02CDF	19	nagf_mip_iqp_dense_optstr Supply optional parameter values to H02CBF
H02CEF	19	nagf_mip_iqp_sparse Integer LP or QP problem (sparse), using E04NKF/E04NKA
H02CFF	19	nagf_mip_iqp_sparse_optfile Read optional parameter values for H02CEF from external file
H02CGF	19	nagf_mip_iqp_sparse_optstr Supply optional parameter values to H02CEF
H03ABF	4	nagf_mip_transportation Transportation problem, modified ‘stepping stone’ method
H03ADF	18	nagf_mip_shortestpath Shortest path problem, Dijkstra’s algorithm
H05AAF	24	nagf_best_subset_given_size_revcomm Best m subsets of size p (reverse communication)
H05ABF	24	nagf_best_subset_given_size Best m subsets of size p (direct communication)