Attached is a general program, which is named ` EqConsInf '.  It can be used in treating the examples in the following manuscript:

               Solving the Equality-constrained Minimization of Polynomial Functions.  
The software `Wsolve’ is enclosed herewith.

The software `EqConsInf’ contains the principal functions as follows:

(1) `SolveEqConsInf’ for computing the constrained infimum, deciding whether or not the constrained infimum is attained when it is a real number and finding a constrained minimum point when the infimum is attained.

(2) `SolveEqConsMin’ for computing the constrained minimum and finding a constrained minimum point if the feasible region is nonempty and bounded.

    This program relies on the computer algebra system MAPLE 15 or others. If you don’t have this system on your computer, you’ll need to install it!  For the usage of these programs, please see the attached worksheets.