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>> % Example 4.14
>> % generate the problem data (for f_1)
>> prob=Ex_4_14;
>> RPMIOsolve_primal(prob,3);
the primal optimal value f^primal_k at order k=3 is 0.83579
the rank condition is satisfied at t=1 with rank being 2
the global optimality is numerically certified
the minimizer S^(k,*) admits a representing measure
there are 2 atoms in the extracted measure:
the 1-th atom is:
   -0.7071
   -0.7071

with the 1-th weight being
    0.2285    0.2286
    0.2286    0.2286

the 2-th atom is:
    0.7071
    0.7071

with the 2-th weight being
    0.2285   -0.2286
   -0.2286    0.2286

>> % as we can see from the output f^primal_3=0.83579
>> % is certified global optimal value
>> % if we want obtain the global minimizer, run the
>> % following command
>> % to solve the dual problem
>> RPMIOsolve_dual(prob,3);


xx =

    0.3536    0.3536


rho =

    0.8358

the primal dual value f^dual_k at order k=3 is 0.83579
>> % as shown above, the global minimizer is (0.3536, 0.3536)
```

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