

```
>> % compute r^primal_1
>> [prob,para] = P_5_3; %(m,d)=(16,4)
>> tic; fsippsolve(prob,para,1); toc;
The optimal value of the 1-th primal SDP relaxation (P_k) using SOS is
105.4308
Elapsed time is 9.141185 seconds.
>> [prob,para] = P_5_3; %(m,d)=(10,6)
>> tic; fsippsolve(prob,para,1); toc;
The optimal value of the 1-th primal SDP relaxation (P_k) using SOS is
56.0527
Elapsed time is 44.532538 seconds.
>> [prob,para] = P_5_3; %(m,d)=(20,4)
>> tic; fsippsolve(prob,para,1); toc;
The optimal value of the 1-th primal SDP relaxation (P_k) using SOS is
131.0663
Elapsed time is 60.277097 seconds.
>> [prob,para] = P_5_3; %(m,d)=(12,6)
>> tic; fsippsolve(prob,para,1); toc;
The optimal value of the 1-th primal SDP relaxation (P_k) using SOS is
67.4051
Elapsed time is 419.480027 seconds.
>> [prob,para] = P_5_3; %(m,d)=(10,8)
>> tic; fsippsolve(prob,para,1); toc;
The optimal value of the 1-th primal SDP relaxation (P_k) using SOS is
52.5736
Elapsed time is 24470.340831 seconds.
>>
```