ex.2

信息矩阵H块如下:

```
H.block(i*6,i*6,6,6) += jacobian_Ti.transpose() * jacobian_Ti; // pose to pose
/// 请补充完整作业信息矩阵块的计算
H.block(j*3 + 6*poseNums,j*3 + 6*poseNums,3,3) += jacobian_Pj.transpose() * jacobian_Pj; // point to point
H.block(i*6,j*3 + 6*poseNums, 6,3) += jacobian_Ti.transpose() * jacobian_Pj; // pose to point
H.block(j*3 + 6*poseNums,i*6 , 3,6) += jacobian_Pj.transpose() * jacobian_Ti; // point to pose
```

输出H的特征值,后7维接近为0,表明零空间维度为7,即单目VO的自由度为7:

```
0.00634341
 0.00608493
 0.00547299
  0.0053236
 0.00520788
 0.00502341
  0.0048434
 0.00451083
  0.0042627
 0.00386223
 0.00351651
 0.00302963
 0.00253459
 0.00230246
 0.00172459
0.000422374
1.25708e-16
8.63763e-17
5.18689e-17
4.38809e-17
2.98776e-17
1.45304e-17
1.59456e-18
```