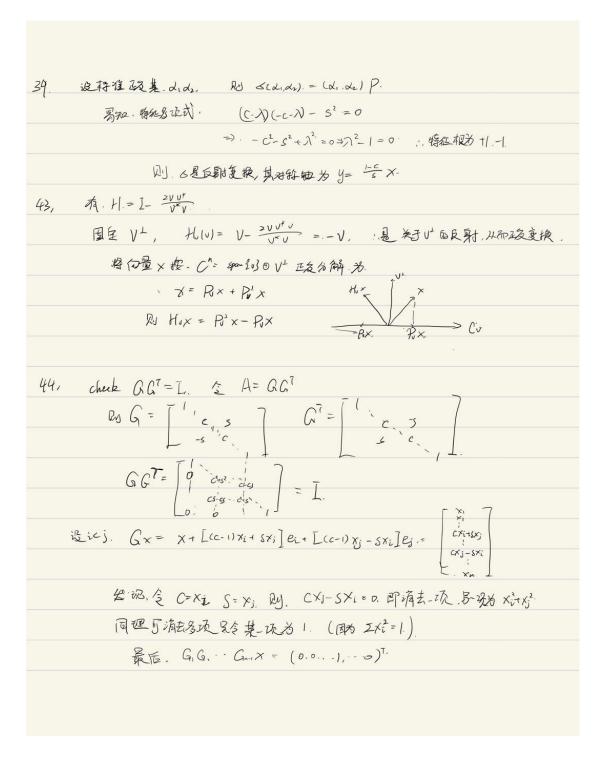
```
作业六
 26, 後 V= R, 有数 e.e. e. 最级性缺敏 6. のcev=-E. 6(e.j=0,25i×b)
         别的叛约数等去,
          從A號電面. (UR+ · (-·)).
           Al Im (B) = Ker(B) = [ex. ex -- Po]
            2 T(e1) = 0 T(ei) = 6: 25: 56. By Kert = In6. Int = Ker6.
37. 1) y 6(d, +d2) = . 01.1 d, - 2(d, +d2 d,) d. = 01. + 02-(2(d, 03)d + 2(d, 03)d.)
                                              = d1-2(d, 04)d0 + 02-2(02, d0) d0. = B(d1) + b(d2)
             \left\{ S(k\lambda_1) = k\lambda_1 - 2(k\lambda_1\lambda_1)\lambda_1 = k\lambda_1 - 2k(\lambda_1\lambda_2)\lambda_2 = k(\lambda_1 - 2(\lambda_1\lambda_2)\lambda_2) \right\}
      21. cheek. | | 5 W | = 1 2 | .
                = (S(x) S(x)) = ( 2-2(xdo)do, d-2(xdo)do)
                               = (x 2) - 260) (x do) - 2(d do) (x do) + 2(ddo) 2(ddo)-(do 20)
                               = ( d d ) = | d | |
                   1.别. 政变换
       设 6年 V 特征及基 (d, -- dn) 下矩阵为 A . = [ a, -- a, 7]
38,
             PP. 6 (d. - dn) = (di . dn) A.
                 (6(x;), x;)=-( d2, s(x;))
           =). Ilki (dx, dj) = - Z. akj. (dx dx)
             -> aji. (did) = - aj. (di di).
              => CL =- Clij_ / A是反对舒矩阵
```



45, (1) . 4 + Hom (UV). (40+ B) = (x 4 + B). = (x 4 + B).
=> 4t = 9t B. => . 9 = 9t
$(2) \qquad \mathcal{E}\left[\begin{array}{c} \alpha_1 & \alpha_2 \\ b_1 & b_2 \end{array}\right]$
$\mathbb{E}[C^*(xy) = (x,y) \left[\begin{array}{c} a_1 & b_1 \\ a_2 & b_2 \end{array} \right] = (a_1x_1 + a_2y_1, b_1x_2 + b_2y_1)$
3) 街路数数 5(以一一人)=(以一人) A, 中 A的 对野郊梅
即A=AT 1. 6*= 8. 人是国个转换
46, (1, (2x3) (600.4) = (x, 64)
e). 6 d = dA 图 统 6*d=2A*.
性质国、欧氏室面上的,
自传统即, <= 6* 离前, A=A*.