```
P(x 1C1)=N(vi, 61)
                                                                                 海走寺 2019,5.11
              10 C (x (C2) = N(x, 62)
                  p(x1C3)=N(1,03)
           dim (g) = dim(ti,) = dim(ti) = dim (ti)
          \vec{y} = \alpha_{1} \vec{u}_{1} + \alpha_{2} \vec{u}_{2} + \alpha_{3} \vec{u}_{3} = [\vec{u}_{1} \vec{u}_{2} \vec{u}_{3}] \vec{\alpha}, \quad \vec{\lambda}^{T} = (\alpha_{1}, \alpha_{2}, \alpha_{3})
\vec{\alpha}_{1} = \vec{K}_{1} e^{-\|\vec{y} - \vec{u}_{1}\|^{2}} \qquad \vec{U} = [\vec{u}_{1} \vec{u}_{2} \vec{u}_{3}]
\vec{\alpha}_{2} = \vec{K}_{3} e^{-\|\vec{y} - \vec{u}_{1}\|^{2}} \qquad \vec{y} = \vec{U} \vec{\lambda}
           d_1^2 + d_2^2 + d_3^2 = 1, |\vec{x}|^2 = 1 (constraint)
           max P(ci | n) i=1, 2, 3
             max p(y'10i)P(Ci) i=1,2,3
     i=1. = max p(v21c1) P(C1), 1211=1
    i=2  = max p(UZ | C2) |P(C2). || Z2 || = 1
   i=3. d' = max p(Ud | C3) | (C3), | di = 1
  discussion :
 0 \vec{y} = \vec{u}_1 \quad \vec{d}_1^* = \begin{bmatrix} 1 \\ 0 \end{bmatrix} \quad \vec{d}_2^* = \begin{bmatrix} 2 \\ 1 \end{bmatrix}
3\vec{x} = \vec{u}, \vec{a}_{1}^{*} = (?) \vec{a}_{2}^{*} = (?)
 \vec{3} \vec{7} = \vec{M}_3 \quad \vec{d}_1^* = [?] \quad \vec{d}_2^* = [?] \quad \vec{d}_3^* = [?]
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