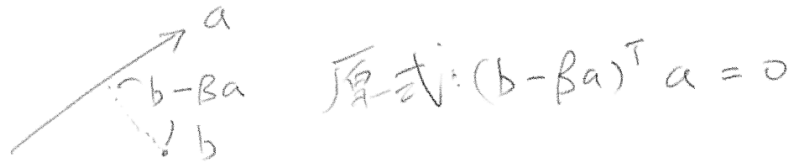


Exercise 13-3



改成 $(\beta a - b)^T a = 0$

則 $\beta a^T a - b^T a = 0$

$$\beta = \frac{b^T a}{a^T a} ; \beta a = \frac{b^T a}{a^T a} a$$

又內積有交換律，故 $b^T a = a^T b$

投影式不變