



```
D(m,p) = (9-8.82)2+ (7.5-6.99)2+ (4.2-5.16)2+ (3-3.33)
    + (2.1 - 1.5)^{2} = 1.68
D(m, p,q) = (9 - 9.3)^{2} + (7.5 - 6.78)^{2} + (4.2 - 4.74)^{2} + (3 - 3.18)^{2} + (2.1 - 2.1)^{2} = 0.9324
f_{1}(2.5) = -1.83(2.5) + 10.65 = 6.075 \text{ Kg}
f_{2}(2.5) = 0.24(2.5)^{2} - 3.24(2.5) + 12.3 = 5.7 \text{ Kg}
       2. La regresión avadrática se ajusta mejor porque tiene el
            menos error.
A = \begin{pmatrix} 3 & -2 & 3 \\ -2 & 1 & 2 \\ 3 & 2 & 1 \end{pmatrix}
                                    (a) La matriz es simétrica, por lo que
                                            110.11, = 11-110 = 8
                                          11 \cdot 11_2 = \sqrt{P(A \times A)} = \sqrt{P(A^T A)} = \sqrt{P(A^2)}
                                         Los autovalores son:

\lambda_1 = -3.08 \lambda_2 = 2.85 \lambda_3 = 5.23
                                           => 11.1/2 = 2,287.
       n = 11 AN 11 A-111
                                                               A^{-1} = \begin{pmatrix} 3/46 & -4/23 & 7/46 \\ -4/23 & 3/23 & 6/23 \\ 7/46 & 6/23 & 1/46 \end{pmatrix}
         A^{-1} = Adj(A) \qquad con \quad |A| \neq 0
        Usanto 1.1/1 = max 20.044, 0.217, 0.435} = 0.435
             n = 8 \times 0.435 = 3.48
```