● 用 d<sup>(r)</sup>(x) 写出 r=2 和 n=2 时的判别函数

常数项: 
$$d^{(0)}(x) = w_{n+1} = w_3$$

一次项: 
$$d^{(1)}(x) = \sum_{p_1=1}^n w_{p_1} x_{p_1} + d^{(0)}(x) = w_1 x_1 + w_2 x_2 + w_3$$

立次项: 
$$d^{(2)}(x) = \sum_{p_1=1}^{n} \sum_{p_2=p_1}^{n} w_{p_1p_2} x_{p_1} x_{p_2} + d^{(1)}(x)$$
$$= w_{11} x_1^2 + w_{12} x_1 x_2 + w_{22} x_2^2 + w_1 x_1 + w_2 x_2 + w_3$$