

2016302580320-任思远-第五次作业

4.2

$$r_1(\mathbf{X}) = L_{12} \cdot p(\mathbf{X}|w_2) \cdot P(w_2) = 0.18$$

$$r_2(\mathbf{X}) = L_{21} \cdot p(\mathbf{X}|w_1) \cdot P(w_1) = 0.04$$

Thus it is classified as w_2 .

4.4

$$r_1(\mathbf{X}) = L_{12} \cdot p(\mathbf{X}|w_2) \cdot P(w_2) = 0.18$$

$$r_2(\mathbf{X}) = L_{21} \cdot p(\mathbf{X}|w_1) \cdot P(w_1) = 0.24$$

Thus it is classified as w_1 .