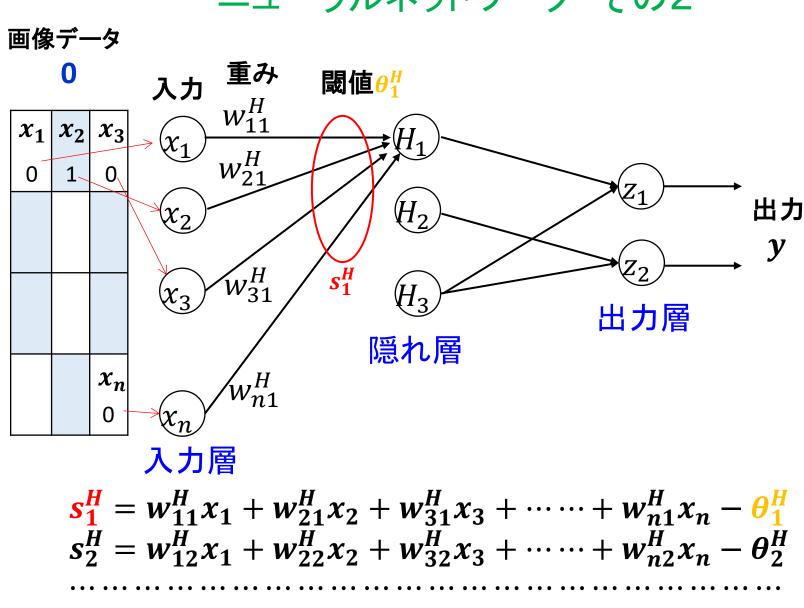
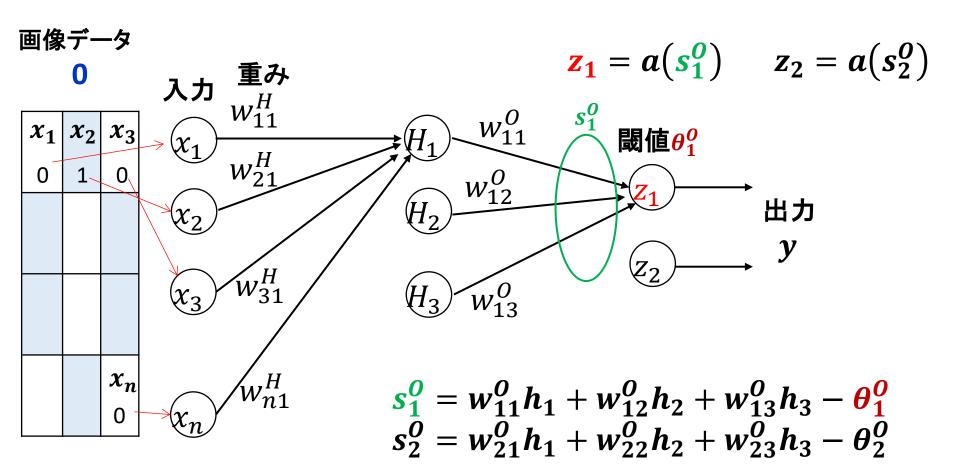
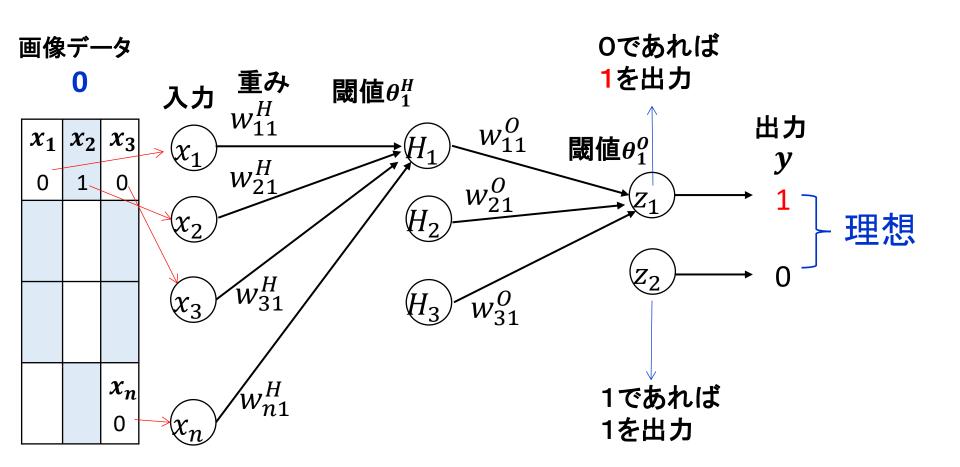
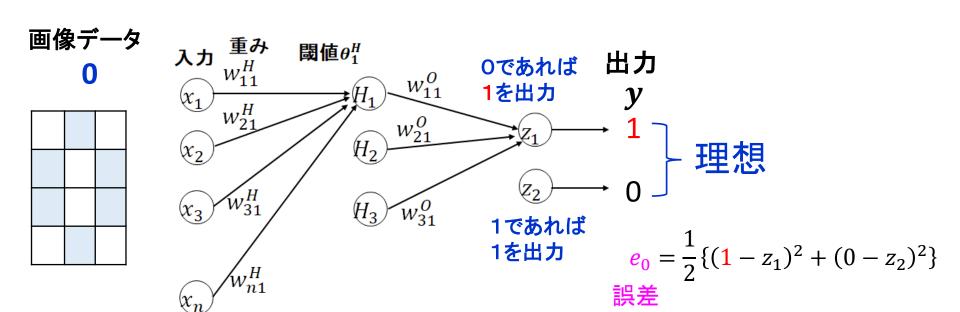
ニューラルネットワーク その2

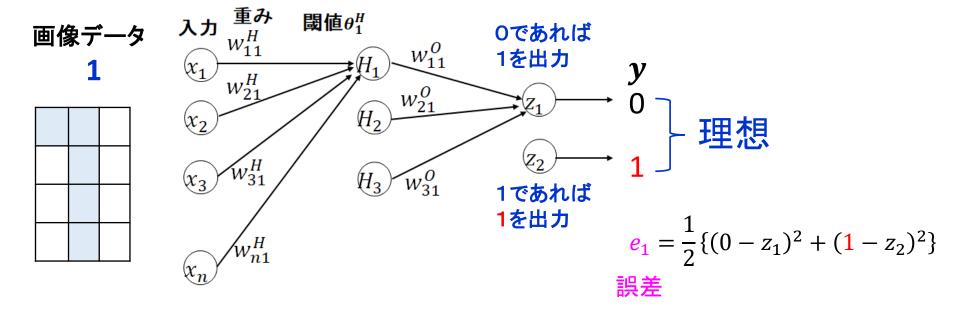


$$s_n^H = w_{1n}^H x_1 + w_{2n}^H x_2 + w_{3n}^H x_3 + \dots + w_{nn}^H x_n - \theta_n^H$$

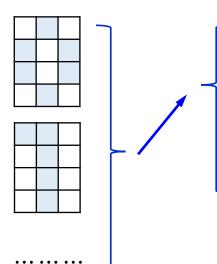












誤差
$$e_0 = \frac{1}{2} \{ (1 - z_1)^2 + (0 - z_2)^2 \}$$

$$e_1 = \frac{1}{2} \{ (0 - z_1)^2 + (1 - z_2)^2 \}$$

$$e_1 = \frac{1}{2} \{ (0 - z_1)^2 + (1 - z_2)^2 \}$$

$$E = e_0 + e_1 + e_2 + \dots + e_n$$



重みwと閾値θによりEが最小になるように最適化する



誤差逆伝播法