ANN ASSIGNMENT

P13 - 1&2

DATE	Time	Load (kW)
01.09.2018	0:00	5551.822
01.09.2018	1:00	4983.172

1) $\eta = 0.01$, $d = 1$, $x_1 = 5551.822$, $W^T = 0$

$$O = x * W^T$$

$$= 5551.822 \times 0 = 0$$

$$\Delta W = 0.01 * (1-0) * 5551.822$$

$$= 55.518$$

$$W = 0 + 55.518 = 55.518$$

$x_2 = 4983.172$

$$O = 4983.172 \times 55.518$$

$$= 276655.743$$

$$\Delta W = 0.01 * (1 - 276655.743) \times 4983.172$$

$$= 49.831 (-276654.743)$$

$$= 13785982.498$$

$$W = 55.518 + 13785982.498$$

$$= 13786038.016$$

2) $\eta = 0.01$, $d = 2$, $x_1 = 4931.263$, $W^T = 1$

$$O = 4931.263$$

$$\Delta W = 0.01 * (1 - 4931.263) * 4931.263$$

$$= 49.312 \times -4981.263$$

$$= -243071.817$$

$$W = -243120.129 - 243070.817$$

$D = 4775.539 \times (-2 + 3070.8\,77)$

$= ~~1160029641.72~~ = 1160793942.151$

$\Delta W = 0.01(2 - 1160793942.151) \times 4775.539$

$= 47.755 \times -1160793940.151$

$= -55433953386.944$

$W = 55434196457.761$