6).
$$\geq 2W_{M}(\theta_{0}+\theta_{1}T_{M,1}-y_{M})=0--\frac{1}{2}$$

$$\geq 2W_{M}(\theta_{0}+\theta_{1}T_{M,1}-y_{M})\cdot T_{M,1}=0-\frac{1}{2}$$
From 0 :
$$\geq W_{M}\theta_{0}=\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})--\frac{1}{2}$$
From 0 :
$$\geq W_{M}\theta_{0}=\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})--\frac{1}{2}$$
From 0 :
$$\geq W_{M}\theta_{0}T_{M,1}=\geq (W_{M}y_{M}T_{M,1}-W_{M}\theta_{1}T_{M,1})--\frac{1}{2}$$
From 0 :
$$\geq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$\geq W_{M}$$
Substitute $\leq M_{0}$

$$\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$\leq (W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$\leq (W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$= W_{M}$$

$$\leq (W_{M}y_{M}-W_{M}\theta_{1}T_{M,1})-\frac{1}{2}$$

$$= W_{M}$$

$$= W_{M}$$