Let $t$ be an integer time variable. Is the following specification implementable?

(a) $\forall n: \text{nat} \cdot M_n = n \wedge T_n = t$

§ No, unless $w=0$. PROOF NEEDED

(b) $\forall n: \text{nat} \cdot M_{w+n} = n-t \wedge T_{w+n} = t-n$

§ No because $T$ is not monotonic. PROOF NEEDED

(c) $\forall n: \text{nat} \cdot M_{r+n} = n \wedge T_{r+n} = t$

§ No, unless $w \leq r$. PROOF NEEDED

(d) $M_w = t-1 \wedge T_w = t-1$

§ No because $t-1$ is outside $t..t'$. PROOF NEEDED