Case	Condition	HDD
1	$T_{max} \leq T_{base}$ (i.e. uniformly cold day)	$HDD = T_{base} - T_{avg}$
2	$T_{avg} \leq T_{base} < T_{max}$ (i.e. mostly cold day)	$HDD = [(T_{base} - T_{min})/2] - [(T_{max} - T_{base})/4]$
3	$T_{min} < T_{base} < T_{avg}$ (i.e. mostly warm day)	$HDD = (T_{base} - T_{min})/4$
4	$T_{min} \geq T_{base}$ (i.e. uniformly warm day)	No heating is required, so $HDD = 0$

Tavg=(Tmax+Tmin)/2

Tbase= 18ºC