

Calculations:

Now we make a lot of data for the particles (n, set m (after encounter = m) T_{snm}):

n	T_{sn1}	T_{sn2}	Ave($T_{s\#51}$)	Ave($T_{s\#52}$)	Delta t_{B1}	Delta t_{B2}
1	3	5				
2	4	4				
3	2	3				
4	2	2				
5	3	3	14/5	17/5	5/14	1/17/5
					0.357	0.294

$$t_{Bm} = 1/\text{Ave}(T_{sn1}) + 1/\text{Ave}(T_{sn2}) + \dots + 1/\text{Ave}(T_{snm})$$

Fast clock: t'_{Bm} : $T_{sn1} = T_{sn1}$, $T_{sn2} = 4 * T_{sn1}$, ...

If slow clock: t_{Bm} : $T_{sn1} = T_{sn1}$, $T_{sn2} = 2 * T_{sn1}$, ... then t_{Bm} must $> t'_{Bm}$. Yes condition holds.