

TV-tittande

Solution

Let's iterate over the parties in the chronological order. For the party number i save the total length of series that he must have watched in order to be able to discuss all required films on the first i parties (call this value t_i).

To count t_i we have to increase t_{i-1} (that we already know) by the total length of series he discusses on party i that he hasn't watched before.

After these values are counted, for each party we have to check if the number of available hours for watching before the party is $\geq t_i$. Since the maximum watching hours per day is 10 this number is the number of available days before the party multiplied by 10.