What is T_5, the average number of times step E1 is performed when n = 5?

T_n = { Average number of times step E1 is performed for a fixed n and variable m }
The problem is dependent of the equivalence classes (remainders) of the division of numbers by n, therefore we should find the average repetition for m $\in S$, for $S \in \mathbb{Z}/n\mathbb{Z}$

if m mod 5 = 0 $\Rightarrow$ E1 executes 1 time
if m mod 5 = 1 $\Rightarrow$ E1 executes 2 time
if m mod 5 = 2 $\Rightarrow$ E1 executes 3 times
if m mod 5 = 3 $\Rightarrow$ E1 executes 4 times
if m mod 5 = 4 $\Rightarrow$ E1 executes 3 times
The average is : $\frac{13}{5}$