Scheme for the Application of the Repeated Substitution Method

Recurrence: $T(1) = 4$

$$T(n) = 2 \cdot T\left(\frac{n}{2}\right) + 4 \cdot n$$

Step	*Expanded recurrence / solution built*	*Term currently to be expanded (helper row)*
1	$T(n) = 2 \cdot T\left(\frac{n}{2}\right) + 4 \cdot n =$	
2		
3		
4		
…	…	…
k		…
…	…	…
…	…	$T(1) =$
x		