$$2x^{2} \sum_{k=0}^{\infty} (k+1) \cdot 2^{k} \times^{3k} = 2x^{2} \left(\sum_{k=0}^{\infty} k \cdot 2^{k} (x^{3})^{k} + \sum_{k=0}^{\infty} 2^{k} (x^{3})^{k} \right)$$

$$= 2x^{2} \left(\sum_{k=0}^{\infty} k \cdot 2^{k} \cdot x^{3k} + \frac{1}{1-2x^{3}} \right)$$

$$= 2x^{2} \left(\frac{1}{3}x \cdot \left(\sum_{k=0}^{\infty} 2^{k} x^{3k} \right)^{k} + \frac{1}{1-2x^{3}} \right) = \frac{1}{3} \cdot \frac{2x^{3}}{(1-2x^{3})^{2}} + \frac{2x^{2}}{1-2x^{3}}$$

$$\left(2^{k} \cdot x^{3k} \right)^{l} = 3k \cdot 2^{k} \cdot x^{3k-1}$$

Skromny kącik osób analitycznie opóźnionych w rozwoju

$$(50+3)^{33} = 50 \sum_{k=1}^{M} {n \choose k} 50^{k-1} \cdot 3^{m-k} + 50^{\circ} \cdot 3^{m}$$

$$(30+3)^{33} = 30 \sum_{k=1}^{M} {n \choose k} 30^{k-1} \cdot 3^{m-k} + 30^{\circ} \cdot 3^{m}$$

$$53^{33} - 33^{33} = 50 \sum_{k=1}^{M} {n \choose k} 50^{k-1} \cdot 3^{m-k} - 30 \sum_{k=1}^{M} {n \choose k} 30^{k-1} \cdot 3^{m-k}$$