

4.8  
k2

$n = k+2$

$$7 \cdot 3^{k+2} + 5^{k+2} = 9 \cdot 7 \cdot 3^k + 25 \cdot 5^k = 25 \underbrace{(7 \cdot 3^k + 5^k)}_{\substack{\text{אם } n=1 \\ \text{אם } n=2}} - \underbrace{16 \cdot 7 \cdot 3^k}_{\substack{\text{אם } n=1 \\ \text{אם } n=2}}$$