```
Ind 2 2)

Vi Kan skriva metoden som funktionen:
f(n) = \infty \left( \frac{12}{2} \right) \cdot \infty \left( \frac{12}{2} \right) = \infty^{n} \quad n > 4
          Bossteg: N=5 ger: VL = x^{\lfloor \frac{5}{2} \rfloor} \cdot x^{\lfloor \frac{5}{2} \rfloor} = x^2 \cdot x^3 = x^5

HL = x^5

Bosfallet gäller!
Induktions antagandet n = \kappa
= \int f(\kappa) = \chi(k) \cdot \chi(k+1) = \chi(k+1) \cdot \chi(k+1) = \chi(k+1) \cdot \chi(k+1) \cdot \chi(k+1) \cdot \chi(k+1) = \chi(k+1) \cdot \chi(k+1) 
              Induktionssteg Vi viII visa att: f(k+1) = \chi \left(\frac{k+1}{2}\right) = \chi^{k+1}
       Vi har f(kt) = \chi^{\lfloor \frac{k+1}{2} \rfloor} \chi^{\lfloor \frac{k+2}{2} \rfloor} En omskrivning av f(k)

Enligt induktionsantagandet:

f(kt) = \frac{f(k)}{f(l+1)} \cdot \chi^{\lfloor \frac{k+2}{2} \rfloor}
                                                                                                                                                                                                   = \frac{\chi^{\kappa}}{\chi^{\left(\frac{\kappa}{2}\right)}} \cdot \chi^{\left(\frac{\kappa+2}{2}\right)}
                                                                                                                                                                              = x K + L K+2) & - L K)
                                                                                                                                                                       = x + 1 - 0
                                                                                                                                                                      = x
                                                                                                                                                                                                                                                                                                                                         V.S.B
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