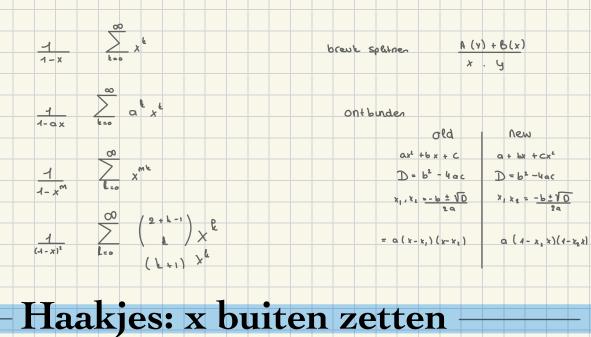
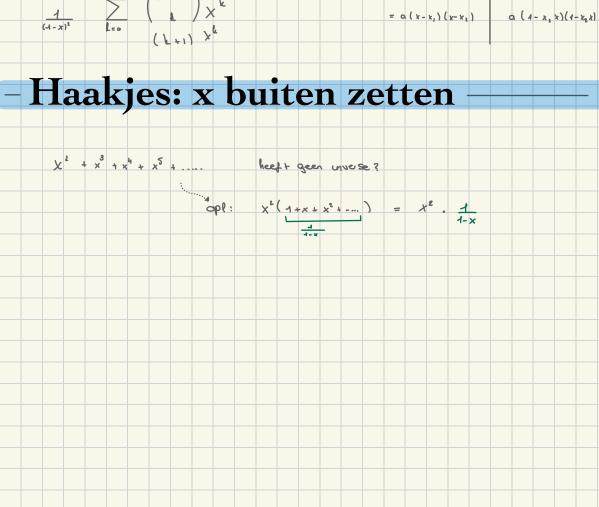


Belangrijke formules





Torens van Hanoi

 $F_2 = 3$

gonererende Functie

$$(H_0) = 0, 1, 5, 7, 15, 34$$
 $H_0 = 2^0 - 1$

$$\begin{cases} H^{n} = 5H^{n-1} + 1 \end{cases}$$

$$= H_0 + 2x(H_0 + H_4 \times + H_4 x^2 + H_3 x^3) + (x + x^2 + x^3 + x^4 + ... -)$$

Generaly H(x) = From HF XE

$$= > H(x) = O + 2x H(x) + \frac{x}{4-x}$$

$$(1-2x)H(x) = \frac{x}{1-x} <=>$$

Splitten in forcet between

$$H(y) = \frac{1}{(4-3)(4-12)} + \frac{1}{(4-2)} = \frac{1}{(4-2)} + \frac{1}{(4-2)} = \frac{1}{(4-2)(4-2)} = \frac{1}{(4-3)(4-2)} = \frac{1}{(4-3$$

Vb oefening (n = 1 als n=0 of n=1 0 = - D + 6 P n - 2

als n 7/2

$$\frac{2 \cdot o_{1} \cdot o_{2}}{1 + k \cdot x(0) \cdot x + o_{2} \cdot x^{2} + o_{3} \cdot x^{3} + o_{4} \cdot x^{4}) + 6 \cdot x^{3} \cdot (o_{2} + o_{1} \cdot x + o_{2} \cdot x^{2} + o_{3} \cdot x^{3} + o_{4} \cdot x^{4})}{5(x) - o_{2}}$$

$$S(x) = A + x - x S(x) + x + 6x^{c} S(x)$$

$$S(x)(1+x-6x^2) = 1 + 2x$$

Splitning

$$S(x) = \frac{1+2x}{1+x-6x^2}$$

$$= \frac{1+2x}{1+x-6x^2}$$

$$= \frac{(A + b) + (-2b + 3A)x}{(xex)}$$



ont bunden

$$D = 4 - 4 + 1 - 6 = 4 + 24 - 25$$

$$x_1 = -1 - 5 = -6 - 3$$

$$x_2 = -1 - 5 = -6 - 3$$

$$x_3 = -1 - 5 = -6 - 3$$

$$x_4 = -6 - \sqrt{6}$$

$$x_5 = -6 - \sqrt{6}$$

$$\frac{x_{2} = -1 + 5}{2} = 2$$

$$\frac{1(1+3x)(1-2x)}{2}$$

Vb oefening 2

$$V_0 = \frac{1}{3} \cdot \frac{1}{4}$$

$$\int_{0}^{1} x_1 = \frac{1}{4} \cdot \frac{$$

