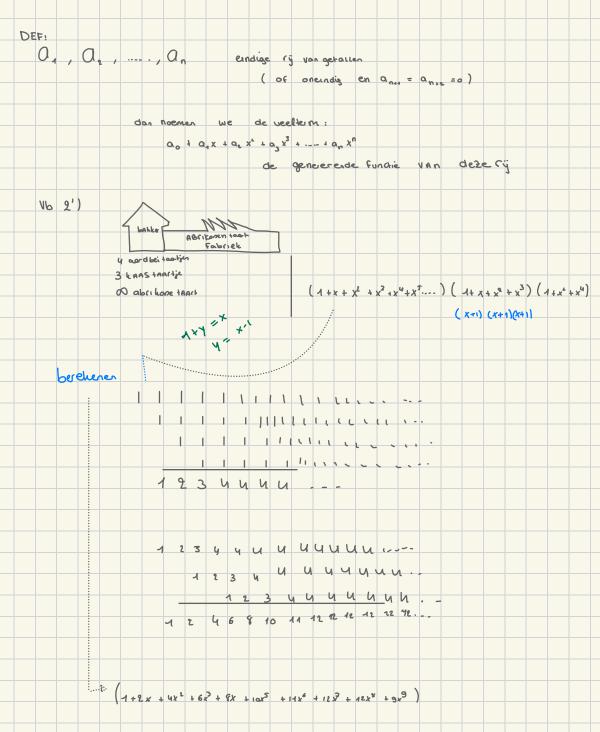


## Inleiding

Vb  $\begin{pmatrix} 5 \\ 2 \end{pmatrix}$ 5 Stukken Fruit 1k wx 2  $(x+y)^n = \sum_{k=1}^n \binom{n}{k} x^k y^{n-k}$  $(1+x)(1+x)(1+y)(1+y)(1+y) = (1+x)^{\frac{5}{2}} = (\frac{5}{6}) \times \frac{1}{6} = (\frac{5}{6}) + (\frac{5}{6}) \times \frac{1}{6} + (\frac{5}{3}) \times \frac{1}{6} + (\frac{5}{$ 1+2x + xL ver Schillend by x Stant een coeficient, die percies overen trant met het antwood of de vrag: " of hel maniren wan in Vb2 L Stukken Fruit hezen wit deze Fruit School  $\nabla = (1 + x + x) (1 + 3x + 3x + x)$ 1331 = 4 + 4x + 7 x0 + 7x + 4x 4 + x hul manue 2 Stulken Fruit vit deze School never! 7 manuer

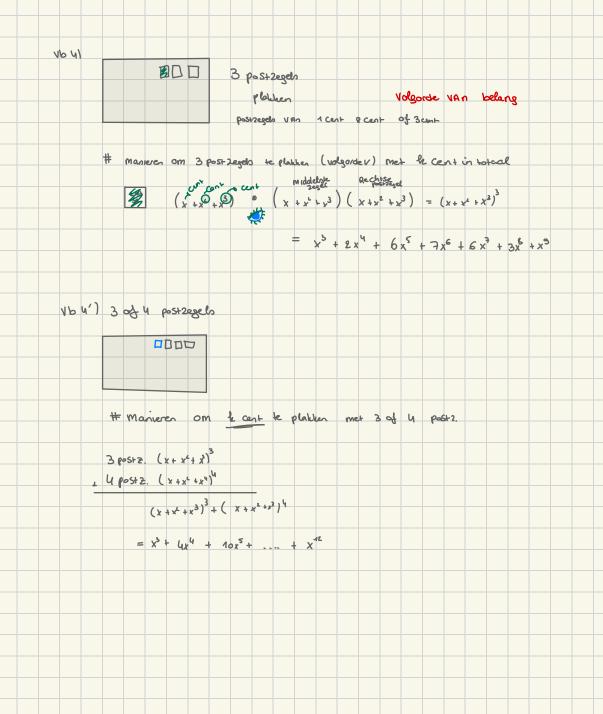
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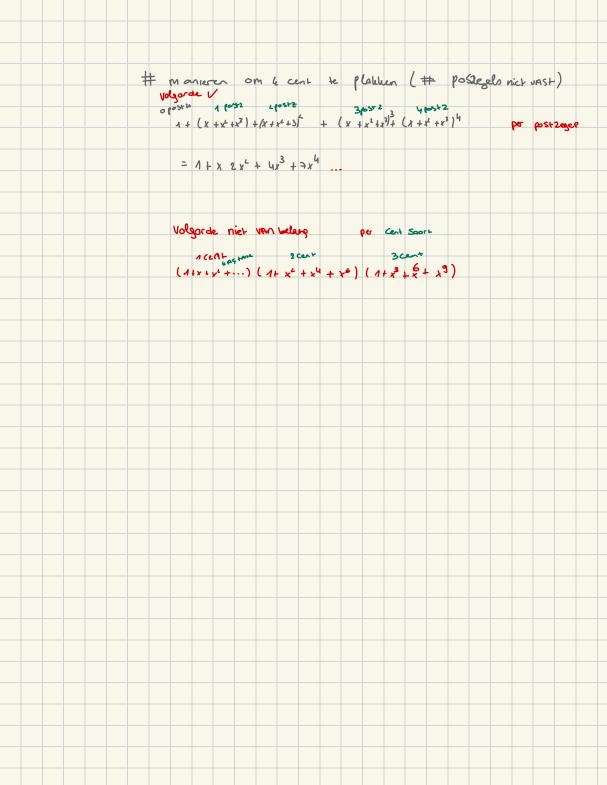
#### Genererende functies



## Formele machtsreeks ant ank +a, x + ax + ax' Optelling (a. + a, x1 + a, x2 + ...) + (b. + b, x1 + b2 x4 + b3 x3 + ...) = (00+60) + (0,x+6x) + (a2x+6x2)+... Vermeniquoldgin (a. + a, x1 + a, x2 + ...) (b. + b, x1 + b, x4 + b, x3 + ...) = Co+c, x+ C, x4 + ... = 0. b0 + (a0 b1 + a1 b0) x + (a0 b2 + a1 b1 + a1 b0) x + (a0 + b3 + a1 b2 + a2 b1 + a2 b0) x3 + .... Ub3 Winak: Shamurgus €3 Soep €2 # Manieren om le euro vit te geven? ( 1 + x<sup>3</sup> + x<sup>6</sup> + x<sup>9</sup> + ... ) ( 1 + x<sup>2</sup> + x<sup>4</sup> + x<sup>6</sup> + x<sup>8</sup> + ... ) $= 1 + x^{2} + x^{3} + x^{4} + x^{5} + 2 x^{6} + 2 x^{8} + 2 x^{9} + x^{40} + \dots$

#### Formele machtsreeks





### Inversie: kortere versie

# -Vb compacte vorm + stelsel -

