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Graded home work 7 Nonlinear recurrences
                                                                Team-Berger-Nussbavi
  tan) = n. (f(n/2))2
  y(m) = f(2m) => n = 2m => m = log2(n)
  h(m) - log2 (g(m))
  h(m) = log 2 (g(m)) // g ercetzen
  n(m) = log 2 (f(2m)) // f ersetzen
  N(m) = \log_2(2^m \cdot (f(\frac{2^m}{2}))^2) / Log Gesetz
   n(m) = 1092(2m) + logz(f(2m)2) //Log Geset+ & Blenz gesetz
   h(m) = m + log 2 (f(2m-1)2) // Binom
   h(m) = m +2-log2(f(2m-1)) // fin essetzen
h(m) = m + 2 \cdot \log_2(g(m-1)) / g(n) exception

f(m) = m + 2 \cdot h(m-1) / Uniforman
  \Delta h(m) - 2 \cdot h(m-1) = m
   aofim) + anfim-n) + ... + acfim-r) = \( \sum_{0}^{m} \rho_{i}(m) \)
    00=1 01=-2 C=1
   (aox + ax -1 + ... + ac) I (x-0i) Ci+1
    (x^-2x°)(x-1)
    (x-2)^{3}(x-1)^{2} => r_{x} = 2 M_{x} = 1 M_{z} = 2 M_{z} = 2
    t(m) = \( \sum_{\text{in}} \sum_{\text{in}} \rightarrow \( \text{(i')} \) \( \text{m}_{i-1} \) \( \text{in} \)
    h(m) = b(1,1) m.2 + b(2,1) m.1 + b(2,2) m.1
     h(m) = b(x,x) 2^m + b(z,x) A + b(z,z) m
                                         * C.W
(D=) h(m) = A.2"
                         + B.A
     2 = 1 //h(m-n) ersetzen
   => A.2m + B + C.m = m + 2h(m-1)
       A.2" + B + C·m = m + 2(A.2" +B + (·m-1))
         A.2" + B+ C.m = m + 2A.2" + 2B + 2C.(m-1)
```

A.
$$2^{m} + B + C \cdot m = m + 2A2^{m-1} + 2B + 2Cm - 2C$$

A. $2^{m} + B$

$$= m + A2^{m} + 2B + Cm - 2C$$

A. $2^{m} + B$

$$= m + A2^{m} + B + Cm - 2C$$

A. $2^{m} + B + Cm - 2C$

Raten von ($\Rightarrow C = A$) (So dass mweg(zill))

$$\Rightarrow C = m + B + Cm - 2C$$

Raten von B & C

$$\Rightarrow C = M + B + Cm - 2C$$

Raten von B & C

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