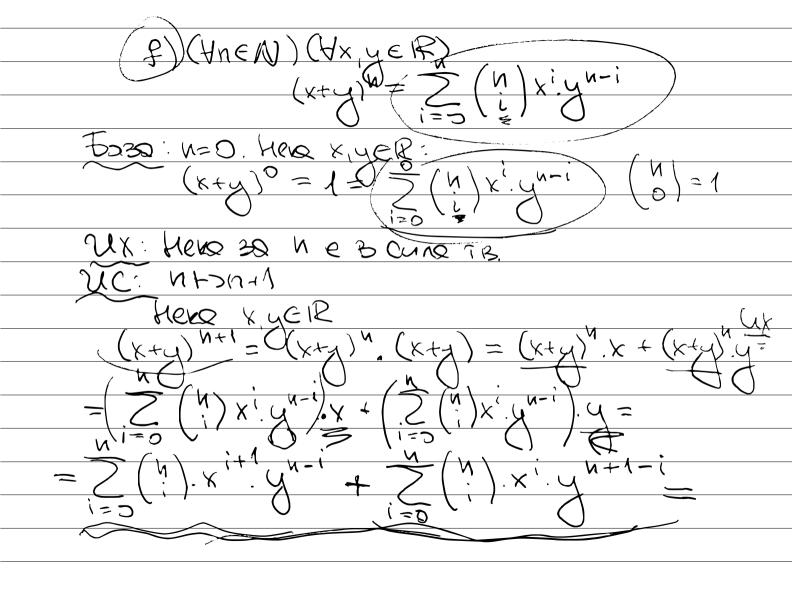
(x+y) 
$$= \sum_{i=3}^{N} (i) x_i y^{n-i}$$



$$= \sum_{i=0}^{N} \binom{i}{i} \times i + 1 - i$$

$$= \sum_{i=0}^{N+1} \binom{i}{i} \times i + 1 - i$$

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$$= \sum_{i=0}^{N+1} \binom{$$

NOUN 32 PERUPCUBUR OP-9:  $f(n) = \frac{1}{2} \frac{1}{\sqrt{1 + (n-1)}} \frac{\sqrt{1 + n}}{\sqrt{1 + n}} \frac{\sqrt{1 +$ nouve contre perine Qn=5Qn-1-6.Qn-2, N-3 Dr= 2 N+1 3 N-1

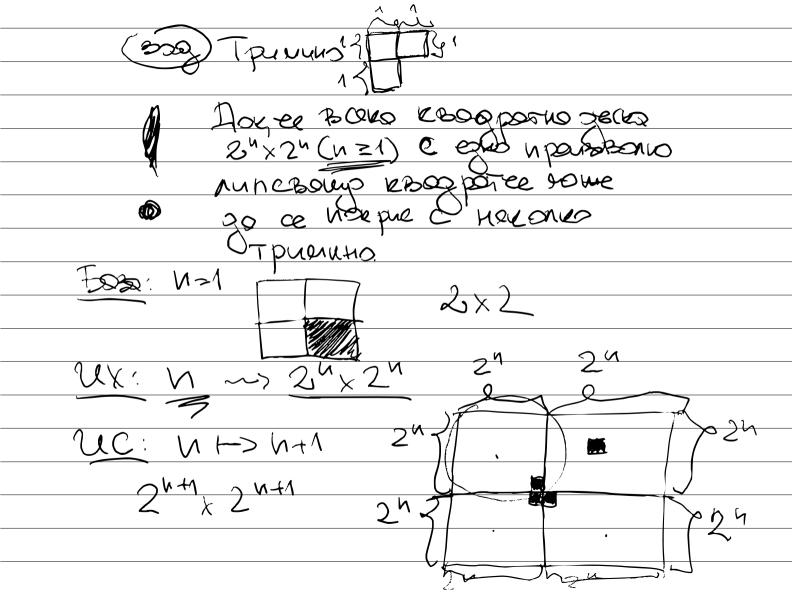
Doe, ee 20 N≥1,70 On=2N+1, 3N-1 2001: h=3: a3=5.a2-6.a1=5.11-65= = 55 - 30 = 25  $0_3 = 2^{3+1} + 3^{3-1} = 16 + 9 = 25$ UX: 30 n ≥ 3 heroe Bano TR. 30 3 ≤ K ≤ N Qn+1 = 5.9n - 6.9n - = 5.(2"+3"-1) = 6.(2"+3"-2)=  $= 5 \cdot 2^{n+1} + 5 \cdot 3^{n-1} = 3 \cdot 2^{n+1} - 2 \cdot 3^{n-1} = 2 \cdot 3^{n-1}$ 

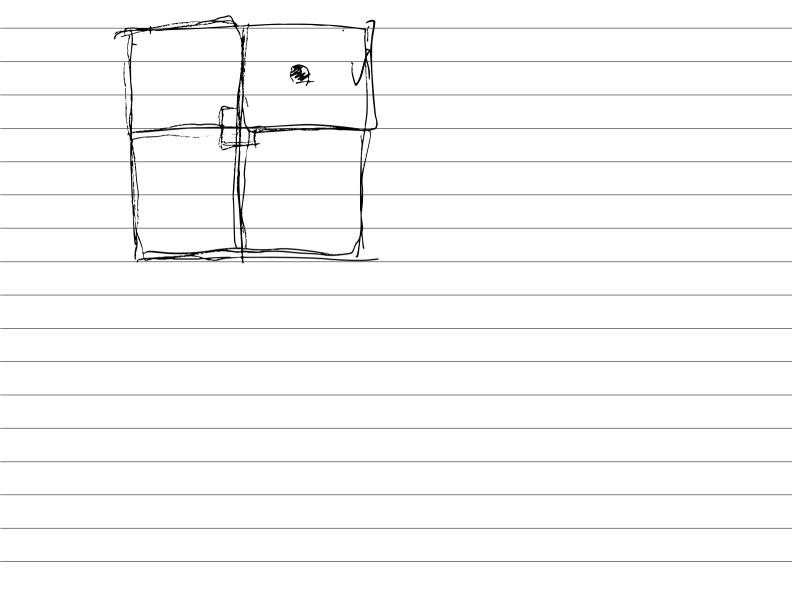
302) a) 
$$f:N \rightarrow N$$
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 $f(n) = \begin{cases} 1 & N \rightarrow N \end{cases}$   $f(n) = \begin{cases} 1 &$ 

Dok, ee f(n) = = 1 = 1 = 1 = 1 = 1 b) Pourgers no obudorou : 01=1

On = On-1+On-2, NZZ 

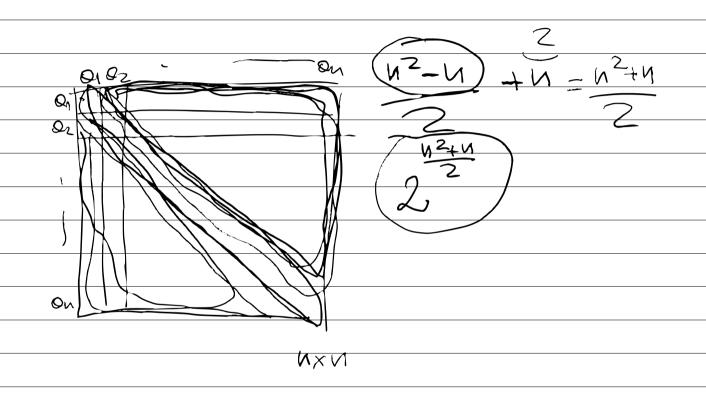
30 STUDO CLECHUR



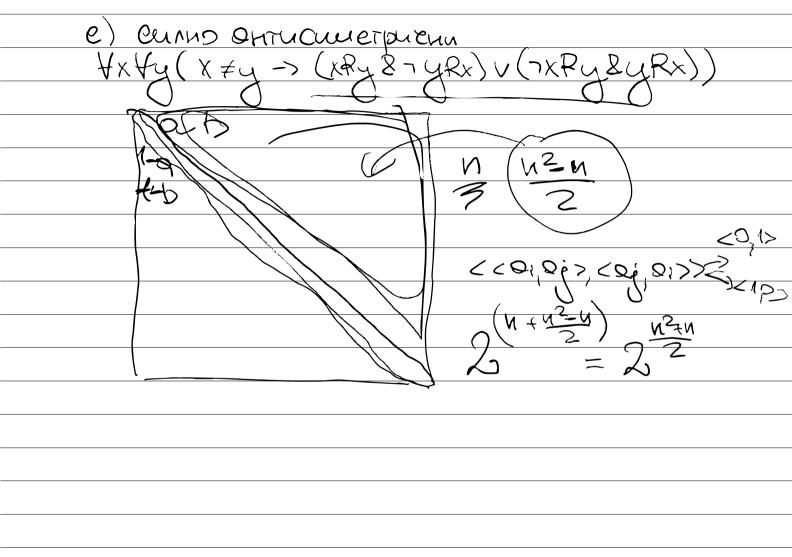


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## c) cun expureur



) OHTU CUMET PUEVU



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A AKO Where N+1 UNU nobece upoqueo MUCRONE 20 LA NOCIOSITA DE N recknessing to use notice on cok. e none 2 upopulose TO 30 30KQ TOTONIO 04-Comec 8,30 None 380 ENGLICATO

Ako husur n.k. +1 unn nobree upener op nocrobun B n reek. 70 une una voke 1 bek. c voke k+1 upg. A AKO A=M u B=K, u m>n.ko TOSPA 20 BORD TOTONA OD-9 f: A>B CECEG. WOHE K+1 TOEKU OT A: Q1, QK+1 T. E. f(01) = f(02) = ... = f(041).

43 roeku have none 2 of tex op he posa. no-some of 3 2419 81012 12=14 43/4=12 43 TORKY 43 × 800,007000