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and integer 2k-1

2(2k.1) - eur.

(3)  $(2k+1)^2 - 4k^2 + 2 \cdot 2 \cdot k + 1$ 

- 2(262+2k) = 1\_

 $\begin{array}{cccc}
S) & m+n & = 2k+1 \\
n+p & = 2k+1
\end{array}$ 

m = 2k' - n  $\rho = 2k - n$ 

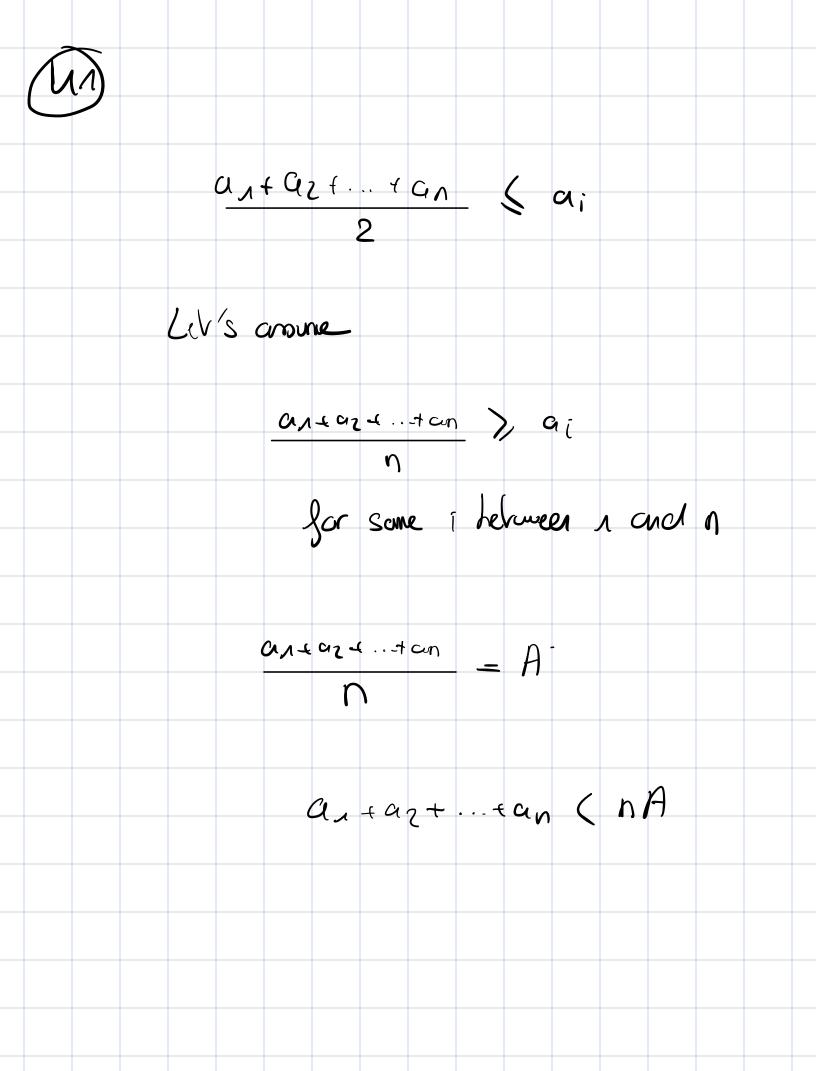
 $m + p = 2k_{+} + 2k_{+} - 2n$   $= 2(k_{+}(k-n))$ 

if 
$$x \in 1$$
 and  $y \in 1$ , then  $x \in 2$ .

(19) 
$$n^3 + 5 - 2k + 1 \oplus (= n - 2k?)$$

(b) Suppose n3+5 add  $n^2$  odd n3 odd but the diff between two odd nb => even  $n > 1 \rightarrow n^2 > n$ 0)1 => 0 > 0 F => F

 $(a+b)^1 > a+b^1$ = a+> >) a+> 64 days ch. -> sdw > 10. Let's aroune solu (9  $\rightarrow 9_{\times}7 = 63$ Contradiction



H.S 03

H-S @ G

= 2