TEST

$$f(x) + yf(y) = x + f(y^{2} - x) + f(f(x))$$

$$f(x^{2}) = x + f(x)$$

$$\begin{cases} f(x^{2}) - f(x) + f(x) \\ f(x^{2}) - f(x) + f(x) \end{cases}$$

$$N = \sum_{i=1}^{N} (x_{i-1} - x_{i} + x_{i+1})^{2} \ge N$$

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$$\begin{cases} \chi_{i'-1} - \chi_{i'} + \chi_{i+1} \end{pmatrix} = Cauet$$

$$\begin{cases} \chi_{i'-1} - \chi_{i'} + \chi_{i+1} \end{pmatrix} = 4$$

$$\begin{cases} \chi_{(i-1)} - \chi_{(i)} + \chi_{(i+1)} = 1 \\ \chi_{(i-1)} - \chi_{(i)} + \chi_{(i+1)} = 1 \end{cases}$$

$$\begin{pmatrix} x_{1}, x_{2}, --7 & x_{n} \end{pmatrix}$$

$$x_{0} := x_{0}$$

$$x_{n+1} := x_{1}$$

$$x_0 = \alpha$$

$$x_1 = b$$

$$x_2 = b - \alpha + 1$$

$$x_3 = 2 - \alpha$$

$$x_4 = 2 - b$$

$$x_4 = 2 - b$$

$$x_5 = \alpha - b + 1$$

$$x_6 = \alpha$$

$$x_7 = b$$

$$x_8 = b - \alpha + 1$$

$$\begin{cases} a_1 b_1 b-a+1 & 2-a_1 & 2-b_1 & \alpha-b+1 \\ \\ (e_1b_1 b-a+1) & --- & --- \\ \end{cases}$$
If $6|h$ flow you can take

what if $6 \nmid h$.

$$\begin{cases} x_0 = a \\ x_1 = b \end{cases}$$

$$\begin{cases} x_0 = a \\ x_1 = b \end{cases}$$

$$\begin{cases} x_0 = a \\ b = b-a+1 \end{cases}$$

$$\begin{cases} a_1b_1 + a_2b_2 \\ b_2 = b \end{cases}$$

$$\begin{cases} a_1b_2 + a_2b_2 \\ b_3 = a_4b_3 \end{cases}$$

$$\begin{cases} a_1b_2 + a_2b_3 \\ a_2 = a_3b_4 \end{cases}$$

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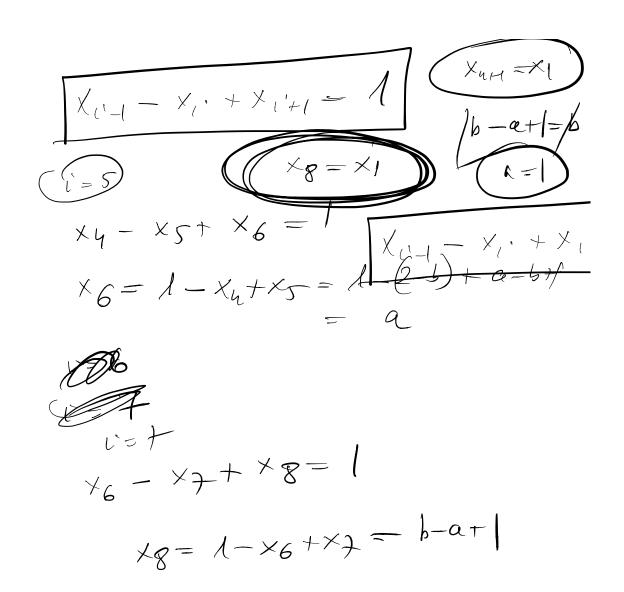
$$\begin{cases} a_1b_2 + a_2b_4 \\ a_3 = a_3b_4 \end{cases}$$

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$$\begin{cases}$$

if
$$G/N \implies x_0 = 1$$
 $x_1 = 1$

Take $n = 12$
 $x_1 \times z_1 - \cdots = x_{12}$
 $x_1 \times z_1 - \cdots = x_{12}$



1º cue: y-minuel! x > y , z > y Leok at 1st egutien, $2x^{3}+(z^{2}+1) \geq 2yx^{2}+(z^{2}+1) \geq$ 4m - Gy $\geq 2yx^2 + 2z \geq$ $\Rightarrow 2yx' + 2y = 2y(x'+1)$ x = y $\int z = 1$ $\int z = y$ $\int z = y$ y > x , 2 > X.

$$\left(2^{5} + 2^{5} + 9 + 9 \right) + 49 >$$

$$> \left(2^{5} + 2^{3} \times^{2} + x + x \right) + 4x$$

$$> \left(2^{5} + 2^{3} \times^{2} + x + x \right) + 4x$$

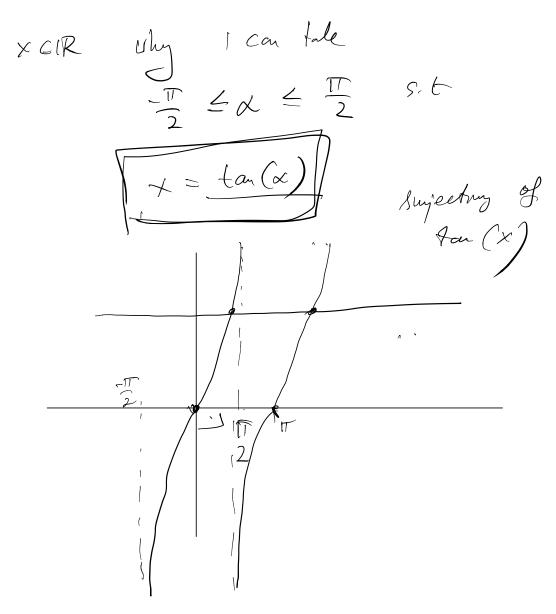
$$> 4^{5} \sqrt{2^{8} \times^{6}} + 4x = 4 \times (2^{6} + 4)$$

3 At hove !

$$\frac{2z}{1-z^2}$$

$$\frac{2}{1-x^2}$$

$$\frac{2}{1-y^2}$$



$$-\frac{\pi}{2} \stackrel{?}{=} \chi \stackrel{?}{=} \frac{\pi}{2}$$

$$-\frac{\pi}{2} \stackrel{?}{=} \frac{\pi}{7} \stackrel{?}{=} \frac{\pi}{2}$$

$$-3,5 \stackrel{?}{=} \stackrel{?}{=} \frac{\pi}{7} \stackrel{?}{=} \frac{\pi}{2}$$

$$= -3, -2, -1, 0, 1, 2, 3$$

$$= \frac{\pi}{7}$$

$$= \frac{\pi}{7}$$

$$= -3, -2, -1, 0, 1, 2, 3$$

$$= \frac{\pi}{7}$$

TP8

Integrated III polynorist has no real nost $\frac{11}{100}$ For $\frac{1}{100}$ For $\frac{1}{100}$