$$A_{1}^{3}, C \in \mathbb{Z}_{>0}$$

$$A_{1}^{3} + \beta_{1}^{3} + C^{5} \ge \sqrt[3]{A^{3}} B^{3} C^{2} = P \qquad A^{3} + B^{2} + C^{3} - 3ABC \ge 0.$$

$$A^{3} + \beta^{3} + C^{3} - 3ABC = (A + B + C) \cdot (A^{2} + B^{2} + C^{2} - AB - AC - BC)$$

$$f(n, n, n) = n^{3} + n^{3} + n^{3} - 3n \cdot n \cdot n.$$

$$= O, \qquad corta = S cubos!$$

$$nes neo S corto = 14$$

$$f(n, n, n + 1) = n^{3} + n^{3} + (n + 1)^{3} - 3n^{2} (n + 1)$$

$$= 2n^{3} + n^{3} + (n + 1)^{3} - 3n^{2} (n + 1)$$

$$= 2n^{3} + n^{3} + 3n + 1 - 3n^{3} + 3n^{2}$$

$$= 3n + 1$$

$$f(A, B, C) = (A + B + C)(A^{2} + B^{2} + C^{2} - AB - BC - CA)$$

$$= (A + B + C) \cdot ((A + B + C)^{2} - 3(m))$$

$$t_{cn}(LB) = \frac{2 + on(LB/2)}{1 - t_{on}^2(LB/2)} = \frac{2(1/3)}{1 - (1/3)^2} = \frac{2}{3} \cdot \frac{9}{8} = \frac{3}{4}$$

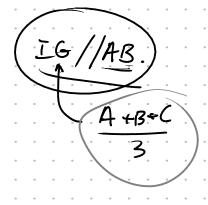
$$t_{cn}(LB) = \frac{3}{4}$$

$$t_{cn}(LB) = \frac{3}{4}$$

$$\frac{1}{1}$$

$$\frac{1}{3}$$

$$\frac{$$



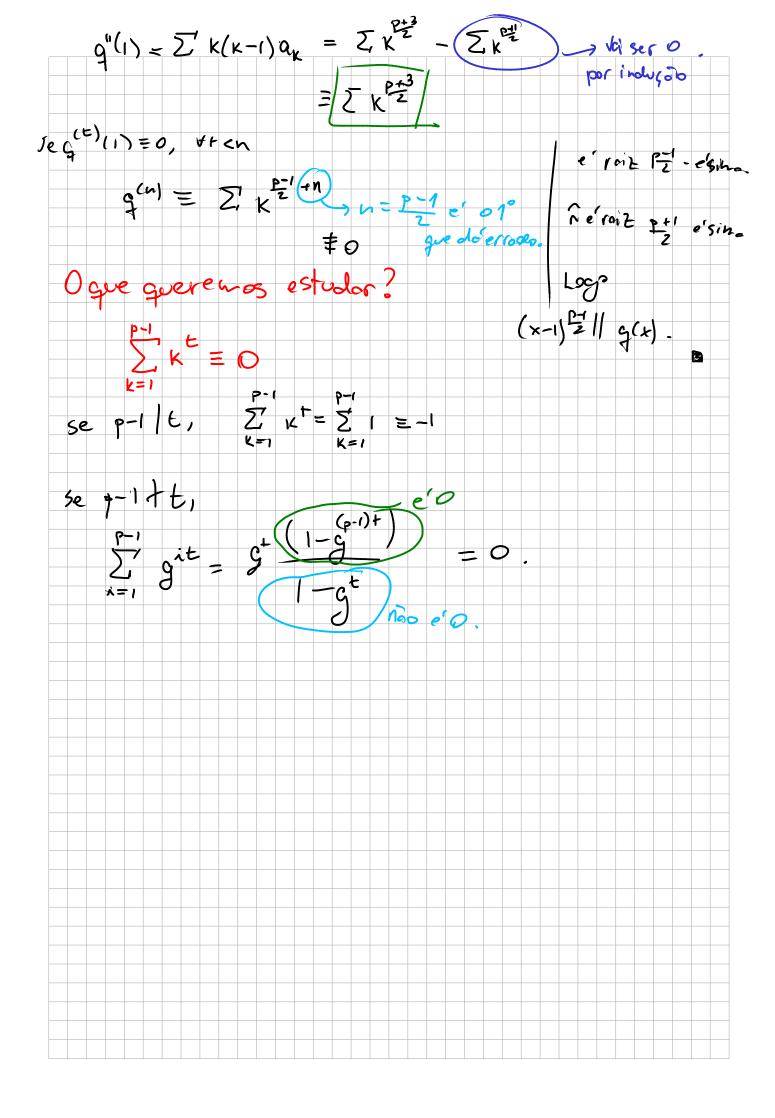
$$b^{2} = (64 - 6)^{2} + (34)^{2}$$

$$0 = 464^{2} - 1246$$

$$126 = 464 = 6$$

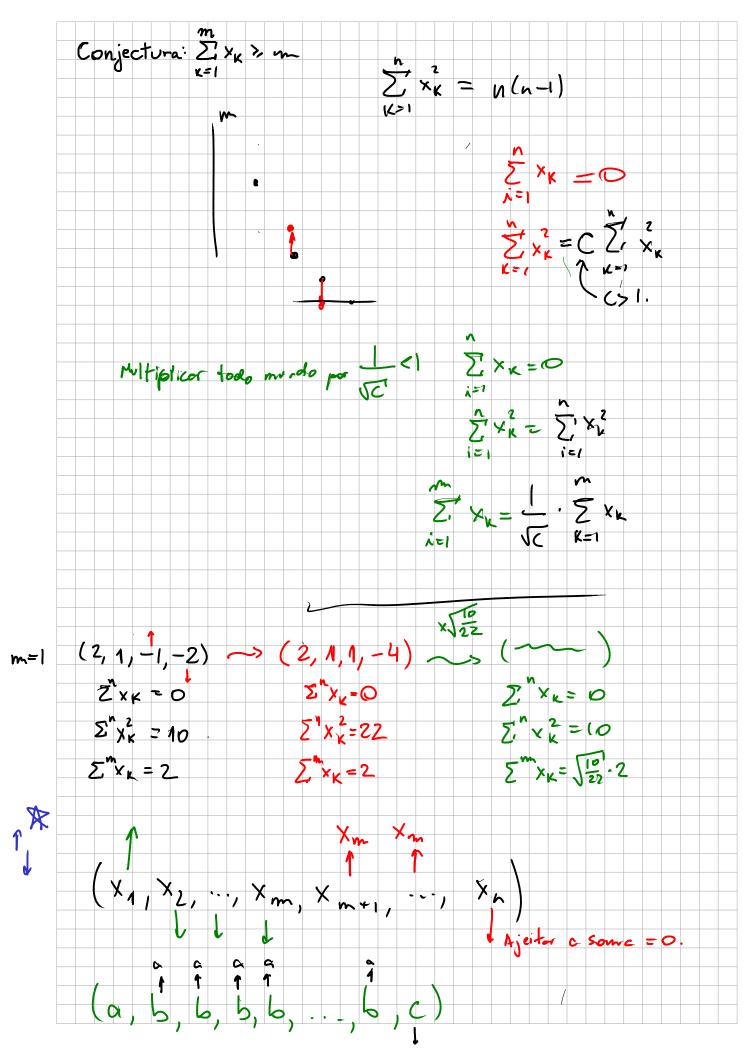
$$\frac{6}{6} = \frac{3}{4}$$

$$\begin{array}{lll}
Q(x) = \sum_{K=1}^{p-1} a_{K} \cdot x^{K} = x^{1} - x^{2} = -x(x-1) & p=3 \implies n=1 \\
Q(x) = \sum_{K=1}^{p-1} c_{K}x^{K} = x^{1} - x^{2} - x^{3} + x^{4} = x(x+1)(x-1)^{2} & p=5 \implies n=2 \\
Q(x) = \sum_{K=1}^{p-1} a_{K}x^{K} = x^{4} + x^{2} - x^{3} + x^{4} - x^{5} - x^{6} & f=i\frac{1}{2} \\
Q(x) = \sum_{K=1}^{p-1} a_{K}x^{K} = x^{4} + x^{2} - x^{3} + x^{4} - x^{5} - x^{6} & f=i\frac{1}{2} \\
Q(x) = \sum_{K=1}^{p-1} a_{K}x^{K} = x^{4} + x^{2} - x^{3} + x^{4} - x^{5} - x^{6} & f=i\frac{1}{2} \\
Q(x) = \sum_{K=1}^{p-1} a_{K}x^{K} = x^{4} + x^{2} - x^{3} + x^{4} - x^{5} - x^{6} & f=i\frac{1}{2} \\
Q(x) = \sum_{K=1}^{p-1} a_{K}x^{K} - x^{4} - x^{5} - x^{6} = 0 & f=i\frac{1}{2} \\
Q(x) = \sum_{K=1}^{p-1} a_{K}x^{K} - x^{6} -$$



```
n > 2m > 4
       \sum_{k=1}^{n} x_{k} = 0; \sum_{k=1}^{n} x_{k}^{2} = h(n-1).
    Ache o mínimo p/ 2 xx.
       a, a, -, e, b, b, - - > b
      at + b(n-t) = 0 | c = (n-t) \lambda
       t(n+)^2\lambda^2+(n+)+^2\lambda^2=\lambda^2+(n+)n=n(n-1)
                   \lambda^2 = n-1
                        /t(n-t)
• Se m st:
    \sum_{k=1}^{m} c_{k} = ma = m \sqrt{n-1} \sqrt{\frac{n}{t}-1}
                                              t moior possivel
                                               t -> n-1
· 52 m > 6?
       2 ck = ta + (m-t)b
              = > = (n-m)
                                             t minino!
               \sim (n-n) \sqrt{n-1} \cdot \sqrt{n-1}
                                              E +>1.
```

 $\underline{E} \times : (n-1,-1,-1,-1,-1)$



a-6 -d

C-(1-2)(0-b)

