رده کوم ر مواوم فارداند اور منالد وور وروه فلا معالمه) ההונתה הלא מושמת

To sid nu, to = to e p n, her e' mild, this to she no Jar VELUZA (c 2012 (Enforce) R=Jz KMD

 $\frac{n^{2}}{12} = 2$ n2 = 2 h2

7126 N=20 215 n = 215 n E

(2c)2= 2h2 4c1 = 2k2/:2 202 = 12

21 or 3 d w. γειν ε του με αν με ευ με ε U- I DER VEINEON, (NEINN: EVEID ALOGO)

הפתה מתננית פין שלו הנחנו של מספר יצולי ניץ ארציה כלה עלומצם, לבן ינכיון קרפין הוכתה אילה עיבות שכה נפתעי בסףינן הפר האב כבי לךכל הינתי It were DE clar ONIN.

II 1)32

CH PERCON C CICAR TO DELL CORE COTE (COUR HOPHISCH LIVE CRE- MEGIENE) JI= k e p nhell p'Nin is itles nus

2h2 = N2 = 2 = N2

TE MINE (TIM , TIM) -LEIS $S \neq \phi \in S = \{(n,h) \mid 2h^2 = h^2, n,h \in \mathbb{N} \}$ عه ک من المحلال مل عردار محد د ماد د د رد الا عا داله عا مال الحاق عا ماله لحر ريور (د) موهد

> h* 1 No'N 7 Sh S'-> C € Ø ≠ S'CN € S ≠ Φ יהי אח (המוני המתצום="בן הצוג אל א ב-) מסים ל ("א" h" א" הצוג אל א ב-) .

```
"
907
```

(.qek-ep (ges' (dinn) (p,q) = 5 20 0: /2/ -32/ -2007]

: ~!\. . g = n*- k* ~ n >)

 $2g^{2} = 2(n^{*}-k^{*})^{2} = 2[(n^{*})^{2}-2n^{*}k^{*} \pm (k^{*})^{2}] =$

 $= \frac{2(n^*)^2 + (n^*)^2}{(n^*)^2 + (n^*)^2}$

 $q \in S' = \frac{4(k^*)^2 - 4n^* h^* + (n^*)^2}{p} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{2}{p^2 + 1} = \frac{(2h^* - n^*)^2}{p} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{2}{p^2 + 1} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{2}{p^2 + 1} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{1}{(p,q)} \in \mathbb{Z} = \frac{(2h^* - n^*)^2}{p}$ $q \in S' = \frac{($

[دیرا بد مداید عل مدورد علی مدمان مودر]

```
\frac{e^{i}}{e^{i}} = \frac{1}{e^{i}} = \frac{1}{e^{i}}

\frac{e^{i}}{e^{i}} = \frac{1}{e^{i}} = \frac{1}{e^{i}}

\frac{e^{i}}{e^{i}} = \frac{
```

 $2^{n} \le n! \le n^{n}$ $4 \le n \in \mathbb{N}$ $4 \le n \in \mathbb{N}$

הינמר באוצין

うろう

JWC.

nl & nn nell blight

(k4) / < (k4) " (k4) / 3 (k4) / 3 (k4)

اداده الماد المادة الم

(h+1)! = k! - (k+1) < k - (k+1) < (k+1) . (k+1) = (k+1) ...

2 × 1 = (h 1) ; h 1) , y 6 '3

 $\frac{2^{k-1}}{2^{k}} = 2 \cdot 2^{k} \leq 2 \cdot |k| \leq (k+1) \cdot |k| = (k+1)!$

ps/ code nass /cg