```
N3
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Pennere zyery & gre momforenois yuntapuo-une nop un 11.11.
Was Crutaire meconone por nepoleneres 1141311 = 114112. 11811

□ O So Super peuce nue gegere N8. Korner co 2-ro nyuno a $\frac{1}{4}$, gonernee nep-lo: $\frac{||A^TA - I||_2}{||A||_2 + 1} \le ||A - W||_2$ (3 yeur a nume of squarenue cobragano $\le N8$)

Anewowno NB, momen clear jon lo n alubanent non n reply: $\|D^2 - I\| \approx \frac{2}{n} \left(\|D\|_2 + 1 \right) \cdot \|D - I\| \quad \left(\text{orguneums } \text{ fexe, so } \text{ B N B} \right)$ $\|D^2 - I\| \leq \|D + I\|_2 \cdot \|D^- I\| \quad \left[\text{ yrb. } \text{ y custure} \right]$

Torga naugueu:

||D^2 I|| ≤ ||D+I||₂ ||D-I|| ≥ (||D||₂+1) · ||D-I||

||D+I||₂ ≥ ||D||₂ + 1 — δινο governo β N3.

Τακικι οδρομοι, ||III | || ||ATA-I|| ≤ ||A-W||.

· Donemer 11A-W11 = 11ATA-II

Anewowno NB, nomer clears porto a mbelouvernacey reply:

11 D-I1 2 11 D2-I1

110-II 2 110-I)(D+I)1 = 110+I11. 110-I11

1 = 110+I112 = d++1, no d>0

Businer, 1 ≤ 110+III2, 200 gongselber 11 A-WII ≤ 11 ATA-III. 12