Assignmenti

$$= n = 313 = 156.5$$

Since q = n, we know that a + n = 2n. If we half $n \to \frac{1}{7}n$, it is also clear that a + n = 2n. When $|a| \le n$ when $|a| \le \frac{n}{3}$. So when $N \ge 2|A|$ this means $0 \le \frac{n}{3} \le n + \alpha \le 2n$ with some algebra, I know I can raise this to a power of $b \in 2^+$ (b > 0). Now I have: $0 \le (\frac{n}{3})^b \le (n + \alpha)^b \le (2n)^b$ Simplifying: $0 \le \frac{1}{3b}(n^b) \le (n + \alpha)^b \le 2^b n^b$

C.
$$x^3 = 36$$
 copie = 10400

503 · 4

d. $a^{x} = 36$ copie = 73

 $a^{x} = 36$

b) Since the summation is to a^{x}

we have:

 $y = 0$

for 1 in conject)

 $a = 1$
 1
 1
 $2 = 1$
 $3 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 = 1$
 $4 =$

Termination (for i = n downto o) - that means this loop will terminate When 1=-1.

hsing y = \(\sing \) akti till and Substituting i, we get n-(-1+1) 2 arti+1x = {arx 1 d) By proving the loop invariant above, upon termination the algorithm calculates correctly 6. What we want to do is keep Pushing / enqueueing with pop/ dequene is called which will then dequene extrything into the first struck into the second. Stack = Stack() Stack2 = Stack() cuspine: epqueve: (XI) clef enquenty)! dequerce: p(n) - because Stack I. Push(X) we have to move every def dequene(Stack) element from Stacks to if len(Stacka)!=0! Stack 2, while len(stacki) !=0" Stack 2. Phsh (Stack 1. Papl) (sturn Sa.pope)