Nant to proce
$$N(n) \rightarrow T$$

$$|Y_{n}\rangle - \pi| \rightarrow 0$$

$$|Y_{n}\rangle - \pi| \rightarrow 0$$

$$|Y_{n}\rangle - \pi|^{2}| \rightarrow 0$$

$$|Y_{n}\rangle - \pi|^{2}| \rightarrow 0$$

(shold if contained incircle)

Studied is $N(n)_{n}$ some puts outstick $X^{2}y^{2}$.

Not all of inside is shoulded. Smallest circle that is unshaded on the outstick is the upper bound to from $N(n)$. Diagram of (mit square is $T^{2}y^{2}$, 'must be contained by $T = Jn^{2} + \frac{J^{2}}{2}$

$$|X_{n}\rangle = \pi \left(Jn^{2} + \frac{J^{2}}{2}\right)^{2} = \pi \left(n + J^{2}n + \frac{J^{2}}{2}\right)$$

$$|X_{n}\rangle = \pi \left(Jn^{2} + \frac{J^{2}}{2}\right)$$