Problem 20 second (sure 
$$\frac{3}{2}$$
)

 $P(21)$ 
 $P$ 

$$+de \quad coma \quad P^{2}(c) = Q^{2}(c)$$

$$P(1+c+Q(c)^{2}) = Q(1+c+P(c)^{2})$$

$$P(d) = Q(d)$$

$$1+d+Q(d)$$

$$e > d$$

$$P = Q$$

$$\begin{cases} x_{2} + x_{1}^{2} = 4x_{1} \\ x_{3} + x_{2}^{2} = 4x_{2} \\ x_{4} + x_{3}^{2} = 4x_{3} \\ x_{4} + x_{n-1}^{2} = 4x_{n-1} \\ x_{1} + x_{n}^{2} = 4x_{1} \\ x_{1} + x_{2}^{2} = 4x_{2} \\ x_{1} + x_{2}^{2} = 4x_{2} \\ x_{1} + x_{2}^{2} = 4x_{2} \\ x_{2} + x_{3}^{2} = 4x_{3} \\ x_{3} + x_{2}^{2} = 4x_{3} \\ x_{4} + x_{5}^{2} = 4x_{5} \\ x_{1} + x_{2}^{2} = 4x_{2} \\ x_{2} + x_{3}^{2} = 4x_{3} \\ x_{3} + x_{4}^{2} = 4x_{4} \\ x_{4} + x_{5}^{2} = 4x_{5} \\ x_{5} +$$

$$y_1 \leq 4$$

$$\left[\times_{2}\right] = \left[\times_{1}\right]$$

$$\int_{S_1}^{2} \sin \alpha + \cos \alpha = 1$$

$$\chi_2 = \chi_1 \left( 4 - \chi_1 \right) = 4 \sin^2 \left( \frac{4 - 4 \sin^2 \alpha}{2} \right) =$$

$$= 4 \sin^2 \alpha \cdot 4 \cdot \cos^2 \alpha = 4 \sin^2 \alpha$$

$$x_1 = 45 \text{ In}^2 \times 1$$

$$x_2 = 45 \text{ In}^2 \times 2$$

$$x_3 = 45 \text{ In}^2 \times 4$$

$$x_3 = 45 \text{ In}^2 \times 4$$

$$\vdots$$

$$X_{i} = 4 \operatorname{sn}^{2} \left( 2^{k-1} \times \right)$$

$$\sin^2 x = \sin^2 \left( 2^n x \right)$$

$$\sin^2 x = \sin(2^n x)$$

$$\cos^2 x = \sin^2 x$$

$$\cos^2 x = \sin(2^n x)$$

$$\cos^2 x = \sin(2^n$$

$$2^{h}_{\lambda-\alpha} = k\pi \quad \text{or} \quad k \in \mathbb{Z}$$

$$2^{h}_{\lambda-\alpha} + k = k\pi$$

$$2^{h}_{\lambda-\alpha} + k = k\pi$$

$$(2^{h}-1)^{2}$$
 or  $(2^{h}+1)^{1}$  is number of or  $(2^{h}-1)^{2}$ 



$$0 \leq \frac{k\pi}{2^{n+1}} \leq \frac{\pi}{2}$$

$$0 \le k \le \frac{2^{n+1}}{2}$$

$$0 \le k \le 2^{n-1}$$

$$\frac{k\pi}{2^{n}+1}$$
  $\{k \in \{0, 1, ..., 2^{n-1}\}\}$ 

$$0 \le \frac{k\pi}{2^{n}-1} = \frac{\pi}{2}$$

$$0 \le k \le \frac{2^{n}-1}{2} = 2^{n}-1$$

$$0 \le k \le 2^{n}-1$$

$$\frac{k\pi}{2^{n}-1} \quad k \in [0, 1, -6, 2^{n}-1]$$

$$0, +2^{n}-1 + 2^{n}-1 = 2^{n}$$

$$(22, 23, 24)$$