PROBLEM AG

PLOT THE RADIATION PATHEN OF AN ARRAY OF 3 NOTROPIC RADIATIONS FED IN PHONE; THE BUTWICE BETWEEN TWO RADIATIONS IS 135 CL AND THE WORKING THEROPENCY IN 24 CHE

50W1100

JINCE THE RADATORS ARE IJOTROPIC JOURCES. THE TOTAL RADATION PATTERN IS

$$y = 2\pi d \cos \theta + \alpha = 2\pi o, 125 \cos \theta + o = 2\pi \cos \theta$$

- MAXIMA (P=0, ± 511, ± 511,...

$$\varphi = \pm 2\pi$$
 $\varphi = 2\pi \cos \varphi = \pm 2\pi$ $\csc \varphi = \pm 1$

- NOT DREC	company tor	9= = 2hT hope hope, hope, _
h=1	$V = \pm \frac{2\pi}{3}$	$2\pi(a)b = \pm 2\pi$ $(a)b = \pm \frac{1}{3}$
	care = 1	6 = ±705°
	calle = -1	6 = 7 103 2°
h=2	$\varphi = \pm \frac{4\pi}{3}$	$2\pi (cs) = \pm \frac{6\pi}{3}$ (a) $(e = \pm \frac{2}{3})$
	cos 6 = 2	6 = ± 58,2°
	(a) (e = -2)	6 = ± 131,8°
k=9	$\varphi = \pm \frac{8\pi}{3}$	2π (as $c = \pm \frac{6\pi}{3}$ (as $c = \pm \frac{5}{3}$ No sawrson
3) E1 ± (2,001 ± (2,007 ± 0) 334 2000 395 ± 1318°		
	6=10	\
0=131,3°		
N F (& &)		
		3 × SURECTION 15 ×
	is = -1318°	6=-182°
	Q = -	-409,5° (a = -79,5°
THERE ART 9 MAIN LABES		
AWS G SECONDARY LOBEST		