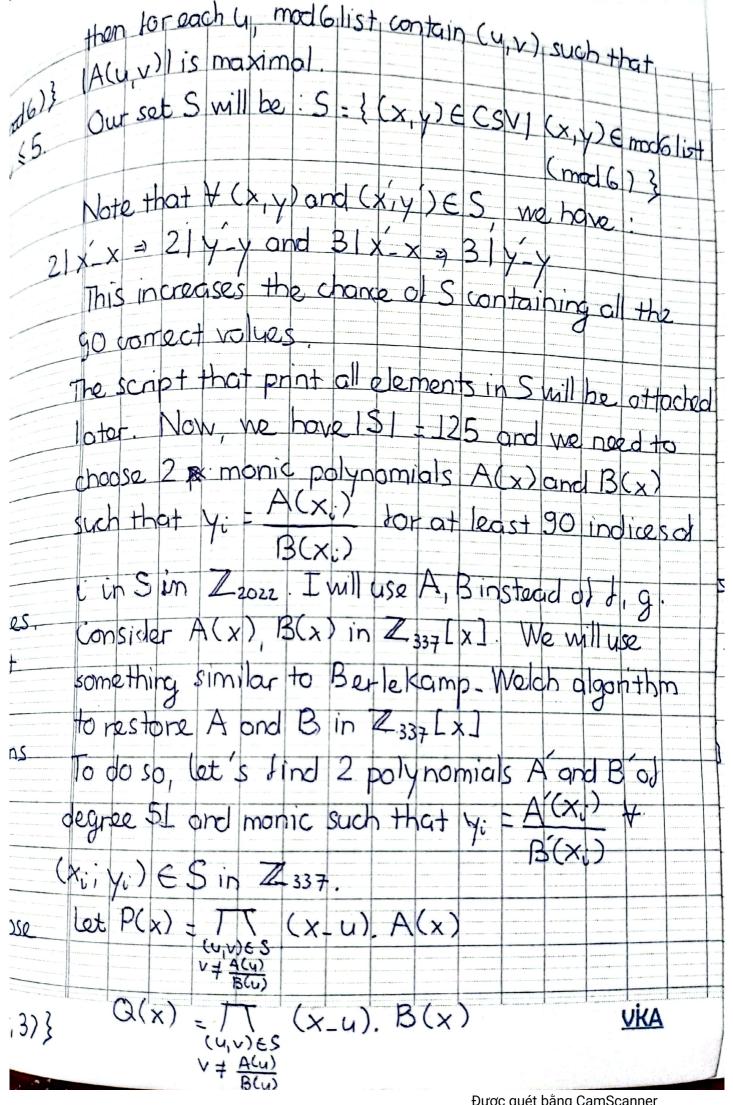
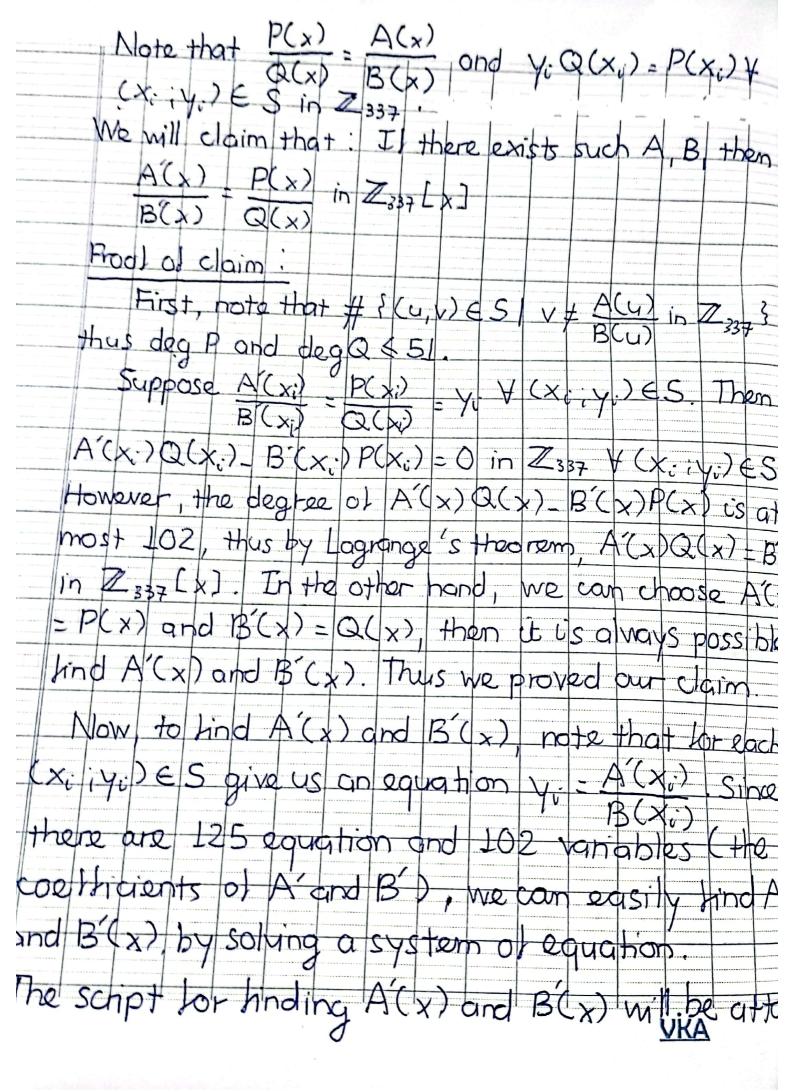
2 First, in the CSV file, we consider (x_i, y_i) (mod 6) let $A(u, v) = \{(x, y) \in CSV \mid x = u \pmod{6} \text{ ond } y = v \text{ (Mod Month of the Script to Find } A(u, v) For O(x_i, v) For O(x$								
	1					+ ,		
	V						1 2	
		8			12	1 10	8	
		7	2.2	1 7	3	6	9	
	2.	25	5_	8	5		4	
	3	9	18	5	10	<u> </u>	7	
	4	10	7	9	2	20	6	
	5	7	*	4	24	9	4	
V	to to t	n d had c		mall so	_	at con	+-:	11 00.
$=$ $\sqrt{1}$			e a s			,	101112	
Note that if we choose (x; y) & A(u, v), then we will								
choose (x'v,y') E(u,v') for v' + v. Therefore for lac								
u ∈ {0,1; ;5}, we choose exactly one v, and let S con								
all elements in A(yv).								
No	wwe.	Just n	ood to	hods	2 1	conch	1 1	2 ml] tr
-//								2 VV (3 11
110	easiest		1	un y	we cr	XXXX V	such	that
[A(y, v)] is maximal, For example, when u=0, we								
v=2, when u=1, we choose v=1.								
et mod6/ist = {(0;4); (1;1); (2;0); (3; MA(4;4)								





After kinding A(x) and B(x), we will factor them and kind A(x) and B(x) in \$\mathbb{Z}_{337}[x]\$ The result is: A(x) = x16 + 30x19 + 262x14 + 35x13 + 186x14 218x4 129x1 229x + 184x + 336x + 70x + 145x + 182x + 79x + 146x+ B(x) = x4, 272x13, B6x14, 76x13, 57x12, 296x14 316x1 165x8 + 42x7 + 178x1 + 125x3 + 140x7 + 239x3 + 87x2 + 104x+ This is the result of A(x) and B(x) in Z337[x] to find A(x) and B(x) in Z2022 [x], we need to find A(x) and B(x) in Z, Lx and Z, LxIn Z, [x], we can choose B(x), x (x+1)+1, and in Z, [x] we can choose B(x)= x14(x2-1)+1 In Iz [x] we can choose A(x)=x15(x+1) + x and in Z, [x], we can choose A(x) = x4 (x-1) + x x The reason we choose A and B like that in Z, [x] or Z, [x] is because of considering (mod 6) in the list modelist and all (x,y) & S are in modelist (mod 6). Ve have chosen A(x) and B(x) in Z2[x], Z3[x] and ow we just use CRT to had A(x) and B(x) in Zz he script for hinding A(x) and B(x) will be attack VKA

The final result of A(x) and B(x) in Z2022 (x) is: A(x) = x"+1041x15+1610x"+ 372x13+186x12+ 1566x + 1140x + 1734x + 1914x + 858x + 336x + 1x3+ 744x5+ 1830x4+ 1530x3+ 1090x2+ 1157x + 1912 B(x) = x 6, 609x 15, 710x4, 750x43+ 1068x14+ 9x3+ 1644x11+ 990x19+ 456x5+1176x8+42x7+852x6+ 462 x3, 1488 x4, 576 x3, LO98 x2, 1492x +679. The polynomial A(x) and B(x) satisty Y = A(x) for at least 90 values of (x,y) in CSV ble. We conclude that we can choose. I(x)=A(x) and g(x)=B(x) in 2202[x] Note: the script for hinding IA(u,v) and all elements of S will be in process data mad 6. py the script for hinding A(x) and B(x) in Z() Will be in find A(x) rand B(x) in Z337[x) sage similarly for finding A(x) and B(x) in 72022

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