(d)

i	0	1	2
a_i	120	8	3
b_i	120	961	3003
$b_i^2 \bmod n$	-29	65	-116

$B = \{-1, 2, 29\}$, $b = 120 \cdot 3003$, $c = 2 \cdot 29$, $g.c.d.(b + c, n) = 307$.

(e)

i	0	1	2	3	4	5	6
a_i	111	2	1	2	2	7	1
b_i	111	223	334	891	2116	3300	5416
$b_i^2 \bmod n$	-82	117	-71	89	-27	166	-39

$B = \{-1, 3, 13\}$, $b = 223 \cdot 2116 \cdot 5416$, $c = 3^3 \cdot 13$, $g.c.d.(b + c, n) = 157$.

(f)

i	0	1	2	3	4	5
a_i	120	1	1	8	2	2
b_i	120	121	241	2049	4339	10727
$b_i^2 \bmod n$	-127	114	-27	98	-71	162

$B = \{-1, 2, 3, 7\}$, $b = 2049 \cdot 10727$, $c = 2 \cdot 3^2 \cdot 7$, $g.c.d.(b + c, n) = 199$.

(g)

i	0	1	2	3	4	5
a_i	100	1	1	1	1	2
b_i	100	101	201	302	503	1308
$b_i^2 \bmod n$	-123	78	-91	97	-66	77

$B = \{-1, 2, 3, 7, 11, 13\}$, $b = 101 \cdot 201 \cdot 503 \cdot 1308$, $c = 2 \cdot 3 \cdot 7 \cdot 11 \cdot 13$, $g.c.d.(b + c, n) = 191$.

(h)

i	0	1	2	3	4	5	6	7	8	9
a_i	111	1	1	2	1	4	1	6	2	1
b_i	111	112	223	558	781	3682	4463	5562	3138	8700
$b_i^2 \bmod n$	-128	95	-67	139	-40	163	-31	79	-115	80

$B = \{-1, 2, 5\}$, $b = 111 \cdot 781 \cdot 8700$, $c = 2^7 \cdot 5$, $g.c.d.(b + c, n) = 59$.

(i)

i	0	1	2	3	4	5	6	7	8
a_i	96	1	2	2	5	1	1	1	1
b_i	96	97	290	677	3675	4352	8027	3026	1700
$b_i^2 \bmod n$	-137	56	-77	32	-107	79	-88	89	-77

$B = \{-1, 2, 7, 11\}$, $b = 290 \cdot 1700$, $c = 7 \cdot 11$, $g.c.d.(b + c, n) = 47$.