

130.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 6$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_6	$r_E = 1$	$\Delta > 0$
130.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 6$	$q_p = 11 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_6	$r_E = 1$	$\Delta > 0$
130.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
130.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 13^3 + O(13^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
136.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
156.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
170.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
205.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
205.a2	$p = 41$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 16 * 41^2 + O(41^3)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
220.a4	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 6$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_6	$r_E = 1$	$\Delta > 0$
220.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
320.a3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
320.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
377.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 9 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
377.a2	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 7 * 29^2 + O(29^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
455.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
455.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
480.c3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
480.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_4	$r_E = 1$	$\Delta > 0$
530.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
530.b1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 22 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
545.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 5^6 + O(5^7)$	$C_E = 1$	$ \text{III}_E = 12$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
545.a2	$p = 109$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 105 * 109^2 + O(109^3)$	$C_E = 1$	$ \text{III}_E = 12$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
580.a1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 7 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
580.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_2	$r_E = 1$	$\Delta > 0$

620.b2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 30$	C_2	$r_E = 1$	$\Delta > 0$
624.b4	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
624.b2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 13^3 + O(13^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
663.a4	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 10 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_4	$r_E = 1$	$\Delta > 0$
730.e1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
776.a1	$p = 97$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 88 * 97 + O(97^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
780.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
832.f1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 10 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
880.b2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
915.b3	$p = 61$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 61 + O(61^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
986.c1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 21 * 29^2 + O(29^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
1020.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
1120.i3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 16$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
1120.i1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 8$	C_4	$r_E = 1$	$\Delta > 0$
1155.e4	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_4	$r_E = 1$	$\Delta > 0$
1300.d1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 10 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
1300.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
1420.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
1455.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
1480.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
1480.b1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 22 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
1780.a1	$p = 89$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 49 * 89 + O(89^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
1780.b1	$p = 89$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 49 * 89^2 + O(89^3)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
1856.n1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
1920.j1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$

1920.h1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
1928.a1	$p = 241$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 241 + O(241^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
1930.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
1961.a2	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 33 * 37^2 + O(37^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
1961.a2	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 36 * 53^2 + O(53^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
1970.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
1970.a1	$p = 197$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 167 * 197 + O(197^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
2040.f3	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 14 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_4	$r_E = 1$	$\Delta > 0$
2074.a1	$p = 61$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 8 * 61^2 + O(61^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
2172.a2	$p = 181$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 16 * 181 + O(181^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
2320.c1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 7 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
2320.g1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
2330.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
2405.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^7 + O(5^8)$	$C_E = 1$	$ \text{III}_E = 14$	C_2	$r_E = 1$	$\Delta > 0$
2405.c1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 14$	C_2	$r_E = 1$	$\Delta > 0$
2465.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 9 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 2$	$\Delta > 0$
2595.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
2595.b1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 115 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
2665.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
2748.b2	$p = 229$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 165 * 229 + O(229^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
3205.b2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 5^8 + O(5^9)$	$C_E = 1$	$ \text{III}_E = 16$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
3205.b2	$p = 641$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 487 * 641^2 + O(641^3)$	$C_E = 1$	$ \text{III}_E = 16$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
3255.c4	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_4	$r_E = 1$	$\Delta > 0$
3324.b2	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 255 * 277 + O(277^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
3380.j1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$

3380.c3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
3380.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_2	$r_E = 1$	$\Delta > 0$
3392.p1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
3615.c3	$p = 241$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 16 * 241 + O(241^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_4	$r_E = 1$	$\Delta > 0$
3655.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
4080.d1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 10 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
4123.b1	$p = 7$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 3$	$q_p = 6 * 7 + O(7^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_3	$r_E = 2$	$\Delta < 0$
4123.b1	$p = 31$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 3$	$q_p = 13 * 31 + O(31^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_3	$r_E = 2$	$\Delta < 0$
4480.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
4520.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
4580.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
4795.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
5128.b1	$p = 641$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 241 * 641 + O(641^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
5200.q1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 10 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
5200.bh1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
5232.g2	$p = 109$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 22 * 109 + O(109^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
5248.d1	$p = 41$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 32 * 41 + O(41^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
5248.c1	$p = 41$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 32 * 41 + O(41^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
5252.b1	$p = 101$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 81 * 101 + O(101^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
5300.c1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
5420.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
5564.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
5780.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
5780.f3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
5780.f1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$

5980.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^8 + O(5^9)$	$C_E = 1$	$ \text{III}_E = 16$	C_2	$r_E = 1$	$\Delta > 0$
6095.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
6095.a1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 14 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
6130.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
6130.b1	$p = 613$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 279 * 613 + O(613^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
6154.a1	$p = 181$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 22 * 181^2 + O(181^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
6220.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
6315.d3	$p = 421$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 74 * 421 + O(421^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
6497.a3	$p = 73$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 73 + O(73^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
6497.a3	$p = 89$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 81 * 89 + O(89^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
6555.b4	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_4	$r_E = 1$	$\Delta > 0$
6920.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
6920.a1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 46 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
6980.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^7 + O(5^8)$	$C_E = 1$	$ \text{III}_E = 42$	C_2	$r_E = 1$	$\Delta > 0$
7120.h1	$p = 89$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 49 * 89 + O(89^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
7120.c1	$p = 89$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 49 * 89^2 + O(89^3)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
7730.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
7730.d1	$p = 773$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 381 * 773 + O(773^2)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
7816.a1	$p = 977$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 291 * 977 + O(977^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
7820.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
7826.b1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 3$	$q_p = 5 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_3	$r_E = 2$	$\Delta < 0$
7826.b1	$p = 43$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 3$	$q_p = 10 * 43 + O(43^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_3	$r_E = 2$	$\Delta < 0$
8220.a1	$p = 137$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 67 * 137 + O(137^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8242.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8242.a1	$p = 317$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 22 * 317 + O(317^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$

8320.k1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8320.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8320.i1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
8320.h1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
8508.a2	$p = 709$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 420 * 709 + O(709^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8530.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8530.a1	$p = 853$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 728 * 853 + O(853^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
8755.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 4 * 5^8 + O(5^9)$	$C_E = 1$	$ \text{III}_E = 32$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
8796.a2	$p = 733$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 612 * 733 + O(733^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
8996.a1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 135 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
9074.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
9074.a1	$p = 349$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 54 * 349 + O(349^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
9146.a1	$p = 269$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 76 * 269^2 + O(269^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
9605.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
9605.b1	$p = 113$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 113 + O(113^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
9795.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
9795.a1	$p = 653$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 336 * 653 + O(653^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
9842.a3	$p = 7$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 3$	$q_p = 6 * 7^2 + O(7^3)$	$C_E = 1$	$ \text{III}_E = 2$	C_3	$r_E = 2$	$\Delta > 0$
9842.a3	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 3$	$q_p = 9 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_3	$r_E = 2$	$\Delta > 0$
9860.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
9948.a2	$p = 829$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 530 * 829 + O(829^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
10155.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
10155.c1	$p = 677$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 573 * 677 + O(677^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
10180.a1	$p = 509$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 38 * 509 + O(509^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
10180.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$

10220.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
10255.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
10255.b1	$p = 293$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 125 * 293 + O(293^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
10480.l2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
10672.f2	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
10865.b1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 53^2 + O(53^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
10880.bd1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
10880.e1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
10930.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
10930.a1	$p = 1093$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 590 * 1093 + O(1093^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
11072.b1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 25 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
11080.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
11080.b1	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 221 * 277 + O(277^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
11136.c1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 15 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
11440.d1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
11648.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 8 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
11674.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 8 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
11948.a2	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 25 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
11951.d1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 23 * 37^2 + O(37^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
12080.n2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
12116.b1	$p = 233$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 121 * 233 + O(233^2)$	$C_E = 1$	$ \text{III}_E = 3$	C_2	$r_E = 1$	$\Delta > 0$
12370.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
12370.d1	$p = 1237$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 743 * 1237 + O(1237^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
12580.a1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 17 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
13296.b2	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 136 * 277 + O(277^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$

13447.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 7 * 17^4 + O(17^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
13520.bc3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
13520.bc1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
13520.f1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
13576.a1	$p = 1697$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 585 * 1697 + O(1697^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
13580.k1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
13676.d2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 13^3 + O(13^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_2	$r_E = 1$	$\Delta > 0$
13980.a1	$p = 233$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 233 + O(233^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
14180.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
14404.b1	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 69 * 277 + O(277^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
14404.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 9 * 13^3 + O(13^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
14656.o1	$p = 229$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 212 * 229 + O(229^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
14705.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 15 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 2$	$\Delta > 0$
14920.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
14920.c1	$p = 373$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 216 * 373 + O(373^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
14960.c1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 17^2 + O(17^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
15195.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
15195.c1	$p = 1013$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 463 * 1013 + O(1013^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
15340.c1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 13^4 + O(13^5)$	$C_E = 1$	$ \text{III}_E = 24$	C_2	$r_E = 1$	$\Delta > 0$
15380.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 30$	C_2	$r_E = 1$	$\Delta > 0$
15420.a1	$p = 257$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 54 * 257 + O(257^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
15545.b2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 5^{10} + O(5^{11})$	$C_E = 1$	$ \text{III}_E = 20$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
15545.b2	$p = 3109$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 2530 * 3109^2 + O(3109^3)$	$C_E = 1$	$ \text{III}_E = 20$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
15916.b2	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 124 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
16220.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$

16405.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 7 * 17^3 + O(17^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
16405.a1	$p = 193$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 159 * 193 + O(193^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
16880.i2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
17300.a1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 25 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
17436.a2	$p = 1453$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 1425 * 1453 + O(1453^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
17468.b2	$p = 397$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 279 * 397 + O(397^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
17612.d1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 12 * 17^2 + O(17^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
18124.a2	$p = 197$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 188 * 197 + O(197^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
18284.a2	$p = 653$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 207 * 653 + O(653^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
18320.g1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
18649.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 9 * 17^2 + O(17^3)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
18649.b1	$p = 1097$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 418 * 1097 + O(1097^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
18752.l1	$p = 293$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 198 * 293 + O(293^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
19045.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 7 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
19045.a1	$p = 293$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 213 * 293 + O(293^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
19045.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 14$	C_2	$r_E = 1$	$\Delta > 0$
19045.b1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 13^7 + O(13^8)$	$C_E = 1$	$ \text{III}_E = 14$	C_2	$r_E = 1$	$\Delta > 0$
19336.b1	$p = 2417$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2155 * 2417 + O(2417^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
19885.c1	$p = 97$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 43 * 97 + O(97^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
20028.b2	$p = 1669$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 389 * 1669 + O(1669^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
20180.a1	$p = 1009$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 335 * 1009 + O(1009^2)$	$C_E = 1$	$ \text{III}_E = 3$	C_2	$r_E = 1$	$\Delta > 0$
20208.b2	$p = 421$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 122 * 421 + O(421^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
20352.k1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 33 * 53^3 + O(53^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
20605.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 30$	C_2	$r_E = 1$	$\Delta > 0$
20605.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 8 * 13^5 + O(13^6)$	$C_E = 1$	$ \text{III}_E = 30$	C_2	$r_E = 1$	$\Delta > 0$

20720.l1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
20740.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 17^2 + O(17^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
20740.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
20915.b3	$p = 89$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 67 * 89 + O(89^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_4	$r_E = 1$	$\Delta > 0$
21008.b1	$p = 101$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 81 * 101 + O(101^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
21200.w1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
21346.b1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 13^3 + O(13^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
21346.b1	$p = 821$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 462 * 821 + O(821^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
21472.d3	$p = 61$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 41 * 61^2 + O(61^3)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
21472.d1	$p = 61$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 38 * 61 + O(61^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_4	$r_E = 1$	$\Delta > 0$
21692.a1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
21845.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
21845.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^6 + O(5^7)$	$C_E = 1$	$ \text{III}_E = 60$	C_2	$r_E = 1$	$\Delta > 0$
21905.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
22180.a1	$p = 1109$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 441 * 1109 + O(1109^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
22516.a1	$p = 433$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 49 * 433 + O(433^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
22940.a1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 20 * 37^2 + O(37^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
23120.u1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
23120.i3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
23120.i1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
23555.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
23664.i1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
23732.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 8 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
24099.a3	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 66 * 277 + O(277^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
24328.b1	$p = 3041$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 98 * 3041 + O(3041^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$

24580.a1	$p = 1229$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 187 * 1229 + O(1229^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
24853.a2	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 7 * 29^4 + O(29^5)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
24853.a2	$p = 857$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 787 * 857^2 + O(857^3)$	$C_E = 1$	$ \text{III}_E = 8$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
24980.a1	$p = 1249$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 805 * 1249 + O(1249^2)$	$C_E = 1$	$ \text{III}_E = 3$	C_2	$r_E = 1$	$\Delta > 0$
25491.a1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
25491.a1	$p = 293$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 223 * 293 + O(293^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
25604.b1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 169 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
25655.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
25655.a1	$p = 733$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 579 * 733 + O(733^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
25805.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
25805.b1	$p = 397$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 351 * 397 + O(397^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
26076.c1	$p = 41$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 34 * 41 + O(41^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
26156.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 9 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
27120.n1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
27161.b2	$p = 157$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 75 * 157^2 + O(157^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
27161.b2	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 106 * 173^2 + O(173^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
27380.c3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
27380.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_2	$r_E = 1$	$\Delta > 0$
27572.a1	$p = 113$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 62 * 113 + O(113^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
27824.d2	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 16 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
27920.l1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^7 + O(5^8)$	$C_E = 1$	$ \text{III}_E = 14$	C_2	$r_E = 1$	$\Delta > 0$
27970.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
27970.a1	$p = 2797$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 690 * 2797 + O(2797^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
28372.a1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 85 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
28769.a2	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 9 * 13^6 + O(13^7)$	$C_E = 1$	$ \text{III}_E = 12$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$

28769.a2	$p = 2213$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 837 * 2213^2 + O(2213^3)$	$C_E = 1$	$ \text{III}_E = 12$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
28970.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
29020.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_2	$r_E = 1$	$\Delta > 0$
29300.c1	$p = 293$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 198 * 293 + O(293^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
29708.a2	$p = 1061$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 807 * 1061 + O(1061^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
31348.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 15 * 17^2 + O(17^3)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
31420.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
31700.a1	$p = 317$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 16 * 317 + O(317^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
31954.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 7 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
31954.a1	$p = 1229$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 586 * 1229 + O(1229^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
32108.b2	$p = 349$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 31 * 349 + O(349^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
32185.a1	$p = 157$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 28 * 157^2 + O(157^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
32708.b1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 17 * 37^2 + O(37^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
33524.a1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
33555.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
33555.a1	$p = 2237$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2189 * 2237 + O(2237^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
33564.a2	$p = 2797$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 1963 * 2797 + O(2797^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
33839.a1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13^2 + O(13^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
33920.j1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 21 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
33920.i1	$p = 53$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 21 * 53 + O(53^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
33928.b1	$p = 4241$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 468 * 4241 + O(4241^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
34180.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^7 + O(5^8)$	$C_E = 1$	$ \text{III}_E = 42$	C_2	$r_E = 1$	$\Delta > 0$
34480.b2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
34765.b3	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 2$	$\Delta > 0$
34895.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$

34895.b1	$p = 997$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 643 * 997 + O(997^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
35068.b2	$p = 797$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 782 * 797 + O(797^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
35292.c1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 105 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
35570.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
35570.b1	$p = 3557$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 1805 * 3557 + O(3557^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
35580.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
35620.f1	$p = 137$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 117 * 137 + O(137^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
35655.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
35657.b2	$p = 181$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 13 * 181^2 + O(181^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
35657.b2	$p = 197$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 4$	$q_p = 100 * 197^2 + O(197^3)$	$C_E = 1$	$ \text{III}_E = 4$	$C_2 \times C_2$	$r_E = 1$	$\Delta > 0$
35980.f1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
35984.i1	$p = 173$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 135 * 173 + O(173^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
36127.b1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
36127.b1	$p = 397$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 377 * 397 + O(397^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
36205.b1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 13^3 + O(13^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
36205.b1	$p = 557$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 491 * 557 + O(557^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
37095.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
38165.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5 * 17^4 + O(17^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
38512.d2	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 16 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
38620.b2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^7 + O(5^8)$	$C_E = 1$	$ \text{III}_E = 42$	C_2	$r_E = 1$	$\Delta > 0$
38739.d3	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 34 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
38739.d3	$p = 349$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 334 * 349 + O(349^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
39036.a2	$p = 3253$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 795 * 3253 + O(3253^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
40064.g1	$p = 313$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 88 * 313 + O(313^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
40064.a1	$p = 313$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 88 * 313 + O(313^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$

40188.a1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 11 * 17 + O(17^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
40274.d1	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 6 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
40274.d1	$p = 1549$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 823 * 1549 + O(1549^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
40720.g1	$p = 509$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 38 * 509 + O(509^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
40720.j1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^5 + O(5^6)$	$C_E = 1$	$ \text{III}_E = 10$	C_2	$r_E = 1$	$\Delta > 0$
40820.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
41691.c3	$p = 13$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 9 * 13 + O(13^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
41691.c3	$p = 1069$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 689 * 1069 + O(1069^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
41780.a1	$p = 2089$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 432 * 2089 + O(2089^2)$	$C_E = 1$	$ \text{III}_E = 3$	C_2	$r_E = 1$	$\Delta > 0$
42495.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$
42514.a1	$p = 29$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 15 * 29 + O(29^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
42514.a1	$p = 733$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 182 * 733 + O(733^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
42620.a2	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 18$	C_2	$r_E = 1$	$\Delta > 0$
42772.e1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 18 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
42895.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^3 + O(5^4)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
42895.a1	$p = 373$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 23 * 373 + O(373^2)$	$C_E = 1$	$ \text{III}_E = 6$	C_2	$r_E = 1$	$\Delta > 0$
43370.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
43570.b1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
43570.b1	$p = 4357$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3689 * 4357 + O(4357^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
43730.d1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
43730.d1	$p = 4373$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 1038 * 4373 + O(4373^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
43836.b1	$p = 281$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 257 * 281^2 + O(281^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
44585.a1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 22 * 37^2 + O(37^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
44588.a2	$p = 157$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 109 * 157 + O(157^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
44720.j1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^4 + O(5^5)$	$C_E = 1$	$ \text{III}_E = 8$	C_2	$r_E = 1$	$\Delta > 0$

50056.a1	$p = 6257$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 886 * 6257 + O(6257^2)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
50096.b2	$p = 101$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 54 * 101 + O(101^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
50180.b1	$p = 193$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 60 * 193 + O(193^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
50320.s1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 17 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
51085.b1	$p = 17$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 10 * 17^2 + O(17^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
51092.a1	$p = 241$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 125 * 241 + O(241^2)$	$C_E = 1$	$ \text{III}_E = 3$	C_2	$r_E = 1$	$\Delta > 0$
51245.c1	$p = 37$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 15 * 37 + O(37^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
51245.c1	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 182 * 277 + O(277^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
51855.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
60370.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5 + O(5^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
60370.a1	$p = 6037$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 4027 * 6037 + O(6037^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
60620.d1	$p = 433$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 423 * 433 + O(433^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$
60940.h1	$p = 277$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 179 * 277^2 + O(277^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
61130.a1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 3 * 5^6 + O(5^7)$	$C_E = 1$	$ \text{III}_E = 12$	C_2	$r_E = 1$	$\Delta > 0$
70570.c1	$p = 5$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 2 * 5^2 + O(5^3)$	$C_E = 1$	$ \text{III}_E = 4$	C_2	$r_E = 1$	$\Delta > 0$
90064.e1	$p = 433$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 49 * 433 + O(433^2)$	$C_E = 1$	$ \text{III}_E = 1$	C_2	$r_E = 1$	$\Delta > 0$
90116.a1	$p = 1733$	$R = \mathbb{Z} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	$ E(\mathbb{Q})_{\text{Tor}} = 2$	$q_p = 540 * 1733 + O(1733^2)$	$C_E = 1$	$ \text{III}_E = 2$	C_2	$r_E = 1$	$\Delta > 0$