p\q	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
3	2	$\mathbb{Z}^2$	2	1	$\mathbb{Z}^2$	1	2	2^2	1	1	$\mathbb{Z}^2$	1	1	2^2	1	1	$\mathbb{Z}^2$	1	1
4	$\mathbb{Z}^2$	2	3	2	12	2	$4\times\mathbb{Z}^2$	2	20	2	$6\times\mathbb{Z}^2$	2	28	2^4	$8\times\mathbb{Z}^2$	2	36	2	$10\times\mathbb{Z}^2$
5	1	$\mathbb{Z}^4$	2	2^2	5	1	5	2^2	2^4	1	5	1	5	2^4	5	1	5	1	2^4
6	$2\times\mathbb{Z}^2$	2	12	5	$2\times\mathbb{Z}^4$	7	24	30	$3\times\mathbb{Z}^2$	11	$2\times\mathbb{Z}^2$	13	42	15	48	17	$6\times\mathbb{Z}^2$	19	60
7	1	1	2	1	7	2^6	7	1	7	1	7	1	$\mathbb{Z}^6$	1	7	1	7	1	7
8	$\mathbb{Z}^4$	2	$4\times\mathbb{Z}^2$	5	24	7	$2\times\mathbb{Z}^6$	2	40	11	$12\times\mathbb{Z}^2$	13	56	15	$4\times\mathbb{Z}^6$	17	72	19	$20\times\mathbb{Z}^2$
9	2	2^2	2	2^2	30	1	2	2^8	2^2	1	$3\times\mathbb{Z}^2$	1	9	2^4	9	1	$\mathbb{Z}^8$	1	9
10	$2\times\mathbb{Z}^4$	1	20	2^4	$3\times\mathbb{Z}^2$	7	40	2^2	$2\times\mathbb{Z}^8$	11	60	13	70	$3\times\mathbb{Z}^4$	80	17	90	19	$4\times\mathbb{Z}^8$
11	1	1	2	1	11	1	11	1	11	2^{10}	11	1	11	1	11	1	11	1	11
12	$\mathbb{Z}^6$	$\mathbb{Z}^2$	$6\times\mathbb{Z}^2$	5	$2\times\mathbb{Z}^2$	7	$12\times\mathbb{Z}^2$	$3\times\mathbb{Z}^2$	60	11	$2\times\mathbb{Z}^{10}$	13	84	15	$24\times\mathbb{Z}^2$	17	$12\times\mathbb{Z}^4$	19	$30\times\mathbb{Z}^2$
13	1	1	2	1	13	1	13	1	13	1	13	2^{12}	13	1	13	1	13	1	13
14	$\mathbb{Z}^6$	1	28	5	42	$\mathbb{Z}^6$	56	9	70	11	84	13	$2\times\mathbb{Z}^{12}$	15	112	17	126	19	140
15	2^4	2^2	2^4	2^4	15	1	15	2^4	$3\times\mathbb{Z}^4$	1	15	1	15	2^{14}	15	1	15	1	$3\times\mathbb{Z}^4$
16	$\mathbb{Z}^8$	2	$8\times\mathbb{Z}^2$	5	48	7	$4\times\mathbb{Z}^6$	9	80	11	$24\times\mathbb{Z}^2$	13	112	15	$2\times\mathbb{Z}^{14}$	17	144	19	$40\times\mathbb{Z}^2$
17	1	1	2	1	17	1	17	1	17	1	17	1	17	1	17	2^{16}	17	1	17
18	$2\times\mathbb{Z}^8$	$\mathbb{Z}^2$	36	5	$6\times\mathbb{Z}^2$	7	72	$\mathbb{Z}^8$	90	11	$12\times\mathbb{Z}^4$	13	126	15	144	17	$2\times\mathbb{Z}^{16}$	19	180
19	1	1	2	1	19	1	19	1	19	1	19	1	19	1	19	1	19	2^{18}	19
20	$2\times\mathbb{Z}^8$	1	$10\times\mathbb{Z}^2$	2^4	60	7	$20\times\mathbb{Z}^2$	9	$4\times\mathbb{Z}^8$	11	$30\times\mathbb{Z}^2$	13	140	$3\times\mathbb{Z}^4$	$40\times\mathbb{Z}^2$	17	180	19	$2\times\mathbb{Z}^{18}$