Introduction to Topology — Homework MAT 516/616, Spring 2022 — D. Ivanšić

List of Assigned Problems

Section	Type A (5 pts)	Type B (8 pts)	Type C (12pts)
1.2	3, 4, 9a, 9b, 9d, 9f, 9g	14, 15, 16	(none)
1.3	2, 4, 5, 7	10, 11	(none)
1.4	2, 3, 7, 8, 9, 10, 11, 12, 13	(none)	(none)
1.5	1, 2, 3, 4, 5, 6, 9, 10	7, 8, 11, 12	(none)
2.1	1b, 1f, 1i, 2, 5	7, 8, 9	(none)
2.2	1abe, 1cd, 1fg, 6, 7, 11cg, 12ad, 12cg	2, 3, 4, 5, 8, 11ad, 11bef, 12bef	10
2.3	2, 3, 4, 5, 6, 10, 11, 12, 13	1, 7, 8, 9	(none)
2.4	1, 2, 8, 11, 16, 17	3, 4, 5, 6, 7, 14, 15	13
2.5	1, 2, 3, 4, 5, 6, 7	9, 10	(none)
8.1	1adf, 3	4, 5, 7, 8, 10	6
3.1	4, 5abc, 5def, 5ghi, 6, 7, 8&9, 10, 11, 12, 17	1, 2, 3, 15, 16	(none)
3.2	$\begin{array}{c} 1 \mathrm{ce},3,4,5 \& 6,\\ 7,8,11,12,13 \end{array}$	1adf, 1bgh, 9&10	(none)
3.3	$1, 2, 3, 4, 5, \\10, 13, 14\&16, 20$	9, 11, 15, 19	22
3.4	2, 4	3	(none)
4.1	1,6,7,8	5, 10, 11	(none)
4.2	4,6,7,8,10	9	(none)
4.4	$1a\&1m, 1i_a\&1i_m, 3, 4b, 4e$	$2\mathcal{H}, 2\mathcal{C}, 5$	(none)
5.1	1, 2, 3, 6, 7	8&9, 10	(none)
5.2	2, 3, 4, 8, 12, 14, 15, 20	6, 13, 16, 17&18&19, 22, 23	(none)
5.3	1ac, 6	3	(none)
6.1	1abc, 2ade, 3, 4, 5, 8, 10, 11bch, 12, 13abc, 16	6, 13de, 14&15, $17\mathcal{H}, 18a, 18b$	9
6.2	1, 5, 6, 7bcd, 8, 12	3, 9, 10	(none)

Note: comma-separated objects count as one problem that earns the number of points stated in the column