

## Appendix A: Drone EPC Testing

Testid	description	x1	x2	x3	Expected	Actual
1	EPC permutation	100	100	100	Failure!	Failure!
2	EPC permutation	100	100	0	Failure!	Failure!
3	EPC permutation	100	100	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
4	EPC permutation	100	100	101	Failure!	Failure!
5	EPC permutation	100	0	100	Failure!	Failure!
6	EPC permutation	100	0	0	Success!	Success!
7	EPC permutation	100	0	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
8	EPC permutation	100	0	101	Failure!	Failure!
9	EPC permutation	100	-1	100	ERROR: Invalid argument - negative value	Failure!
10	EPC permutation	100	-1	0	ERROR: Invalid argument - negative value	Success!
11	EPC permutation	100	-1	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
12	EPC permutation	100	-1	101	ERROR: Invalid argument - negative value	Failure!
13	EPC permutation	100	101	100	Failure!	Failure!
14	EPC permutation	100	101	0	Failure!	Failure!
15	EPC permutation	100	101	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
16	EPC permutation	100	101	101	Failure!	Failure!
17	EPC permutation	0	100	100	Failure!	Failure!
18	EPC permutation	0	100	0	Success!	Success!
19	EPC permutation	0	100	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
20	EPC permutation	0	100	101	Failure!	Failure!
21	EPC permutation	0	0	100	Success!	Success!
22	EPC permutation	0	0	0	Success!	Success!
23	EPC permutation	0	0	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
24	EPC permutation	0	0	101	Failure!	Failure!
25	EPC permutation	0	-1	100	ERROR: Invalid argument - negative value	Success!
26	EPC permutation	0	-1	0	ERROR: Invalid argument - negative value	Success!
27	EPC permutation	0	-1	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
28	EPC permutation	0	-1	101	ERROR: Invalid argument - negative value	Success!
29	EPC permutation	0	101	100	Failure!	Failure!
30	EPC permutation	0	101	0	Failure!	Failure!
31	EPC permutation	0	101	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
32	EPC permutation	0	101	101	Failure!	Failure!
33	EPC permutation	-1	100	100	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
34	EPC permutation	-1	100	0	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
35	EPC permutation	-1	100	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
36	EPC permutation	-1	100	101	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
37	EPC permutation	-1	0	100	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
38	EPC permutation	-1	0	0	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
39	EPC permutation	-1	0	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
40	EPC permutation	-1	0	101	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
41	EPC permutation	-1	-1	100	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
42	EPC permutation	-1	-1	0	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
43	EPC permutation	-1	-1	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
44	EPC permutation	-1	-1	101	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
45	EPC permutation	-1	101	100	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
46	EPC permutation	-1	101	0	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value

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47	EPC permutation	-1	101	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
48	EPC permutation	-1	101	101	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
49	EPC permutation	101	100	100	Failure!	Failure!
50	EPC permutation	101	100	0	Failure!	Failure!
51	EPC permutation	101	100	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
52	EPC permutation	101	100	101	Failure!	Failure!
53	EPC permutation	101	0	100	Failure!	Failure!
54	EPC permutation	101	0	0	Failure!	Failure!
55	EPC permutation	101	0	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
56	EPC permutation	101	0	101	Failure!	Failure!
57	EPC permutation	101	-1	100	ERROR: Invalid argument - negative value	Failure!
58	EPC permutation	101	-1	0	ERROR: Invalid argument - negative value	Success!
59	EPC permutation	101	-1	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
60	EPC permutation	101	-1	101	ERROR: Invalid argument - negative value	Failure!
61	EPC permutation	101	101	100	Failure!	Failure!
62	EPC permutation	101	101	0	Failure!	Failure!
63	EPC permutation	101	101	-1	ERROR: Invalid argument - negative value	ERROR: Invalid argument - negative value
64	EPC permutation	101	101	101	Failure!	Failure!
65	one valid test case	10	20	30	Success!	Success!