Parameters Range

Dataset	HySortOD (Best)	kNN-Out	DB-Out	LOF	ODIN	*HilOut	*aLOCI	**ABOD
parkinson	$b = [2; 100; 1]$	$k = [1; 50; 1]$	$d = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 10; 1]$, $h = [1; 64; 1]$	$n = [1; 10; 1]$, $g = [1; 4; 1]$	-
hepatitis	$b = [2; 100; 1]$	$k = [1; 50; 1]$	$d = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 10; 1]$, $h = [1; 64; 1]$	$n = [1; 10; 1]$, $g = [1; 4; 1]$	-
glass	$b = [2; 100; 1]$	$k = [1; 20; 1]$	$d = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 300; 1]$	$k = [1; 100; 1]$, $h = [1; 64; 1]$	$n = [1; 200; 1]$, $g = [1; 4; 1]$	-
ecoli	$b = [2; 100; 1]$	$k = [1; 100; 1]$	$d = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 10; 1]$, $h = [1; 64; 1]$	$n = [1; 100; 1]$, $g = [1; 4; 1]$	-
ionosphere	$b = [2; 100; 1]$	$k = [1; 50; 1]$	$d = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 20; 1]$, $h = [2; 50; 2]$	$n = [1; 50; 1]$, $g = [1; 4; 1]$	-
breastw	$b = [2; 100; 1]$	$k = [1; 50;]$	$d = [1; 50; 1]$	$k = [1; 50; 1]$	$k = [1; 300; 1]$	$k = [1; 20; 1]$, $h = [2; 32; 1]$	$n = [1; 10; 1]$, $g = [1; 4; 1]$	-
pima	$b = [2; 100; 1]$	$k = [100; 500; 1]$	$d = [10; 200; 1]$	$k = [100; 150; 1]$	$k = [1; 100; 1]$	$k = [100; 500; 10]$, $h = [1; 20; 1]$	$n = [1; 100; 1]$, $g = [1; 4; 1]$	-
thyroid	$b = [2; 100; 1]$	$k = [1; 50; 1]$	$d = [1; 50; 1]$	$k = [50; 150; 1]$	$k = [1; 100; 1]$	$k = [1; 20; 1]$, $h = [1; 64; 1]$	$n = [1; 50; 1]$, $g = [1; 4; 1]$	-
satimage2	$b = [2; 100; 1]$	$k = [1; 100; 1]$	$d = [10; 200; 10]$	$k = [50; 150; 1]$	$k = [10; 2000; 10]$	$k = [1; 70; 1]$, $h = [1; 64; 1]$	$n = [1; 100; 1]$, $g = [1; 4; 1]$	-
mammography	$b = [2; 100; 1]$	$k = [100; 2500; 10]$	$d = [1; 10; 1]$	$k = [100; 250; 1]$	$k = [100; 2000; 50]$	$k = [1; 50; 1]$, $h = [1; 64; 1]$	$n = [1; 10; 1]$, $g = [1; 4; 1]$	-
shuttle	$b = [2; 100; 1]$	$k = [2000; 5000; 100]$	$d = [1000; 3000; 50]$	$k = [2000; 5000; 100]$	$k = [1000; 12000; 100]$	$k = [1; 20; 1]$, $h = [1; 64; 1]$	$n = [1; 3000; 100]$, $g = [1; 4; 1]$	-
http	$b = [2; 100; 1]$	$k = [2000; 4000; 100]$	$d = [1000; 3000; 50]$	$k = [2000; 4000; 100]$	$k = [2000; 7000; 100]$	-	-	-

*Parameter values for HilOut and aLOCI are missing because they exceeded the main memory capacity.
**ABOD is a parameter-free algorithm.

Table 1: Algorithms parameters range (*i.e.* [first;last;step]) for each dataset.