

/Users/son-eungyu\l/Desktop/pythonProject/venv/bin/python /Users/son-eungyu\l/Desktop/UNLV/day5/e

Total windows: 146 Feature dimension: 45

Class counts: {np.str\_('circle'): np.int64(32), np.str\_('pendulum'): np.int64(30), np.str\_('x a

Split sizes: 87 29 30

Top sweep results:

	n_estimators	max_depth	val_log_loss
0	50	None	0.025776
1	50	5	0.025776
2	50	8	0.025776
3	50	12	0.025776
4	100	5	0.026641
5	100	None	0.026641
6	100	12	0.026641
7	100	8	0.026641
8	200	12	0.030481
9	200	8	0.030481

Best params: {'n\_estimators': 50, 'max\_depth': None, 'val\_log\_loss': 0.025775926569291792}

=== Test Metrics (Macro Avg) ===

Accuracy : 1.0

Precision: 1.0

Recall : 1.0

F1-score : 1.0

Log Loss : 0.05319720225582778

Confusion matrix (rows=true, cols=pred), labels = [np.str\_('circle'), np.str\_('pendulum'), np.s

```
[[7 0 0 0 0]
 [0 6 0 0 0]
 [0 0 6 0 0]
 [0 0 0 5 0]
 [0 0 0 0 6]]
```