AI Olympiad: errata, February 2026

Task 1 As an example of a k-arm bandit problem, consider a casino with k different slot machines and the greedy gambler can only play one slot machine at a time and wishes to maximise his long term reward.

Task 4 The expression $L_P(f)$ refers to the loss of function f under distribution P:

$$L_P(f) = \mathbb{E}_{(x,y)\sim P}[I(f(x) \neq y)]$$

where I is the indicator function for truth values. For $P = S$ the distribution is uniform on the training data S.

Task 6 The *support* is the number of instances of a class.

Task 8 The $cost(n, n')$ should be understood as a cost of transition from state n to n'.

State definition is a clear description of a node in the A* transition graph.