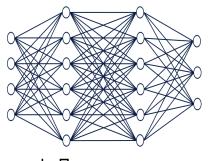
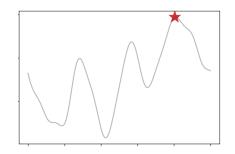
## Bayesian Optimization for AutoML





Varying evaluation costs



Adaptive stopping time



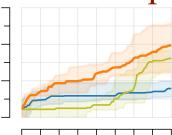




Link to Pandora's Box problem and Gittins index theory

Key idea

### Impact



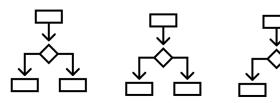


Novel acquisition function and stopping rule w/ competitive empirical performance



"Cost-aware Bayesian Optimization via the Pandora's Box Gittins Index."

#### Future potentials



Bayesian optimization w/ multistage feedback



"Cost-aware Stopping for Bayesian Optimization."

# Gittins Index vs Baselines on LCBench

