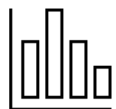
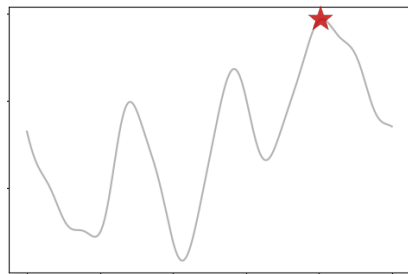
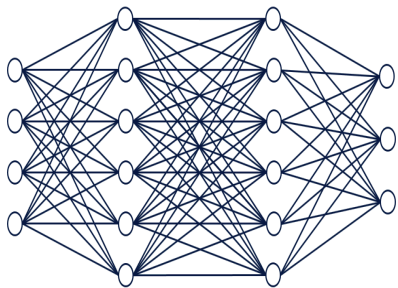


# Bayesian Optimization for AutoML

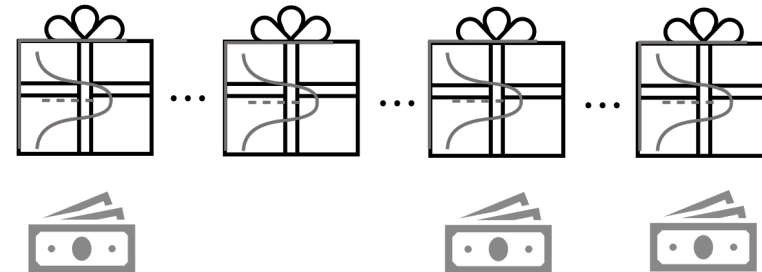


Varying evaluation costs



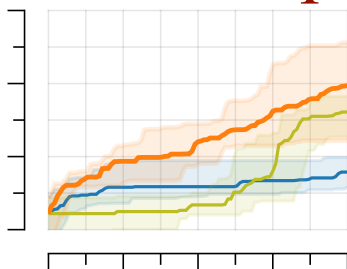
Adaptive stopping time

## Key idea



Link to Pandora's Box problem  
and Gittins index theory

## Impact



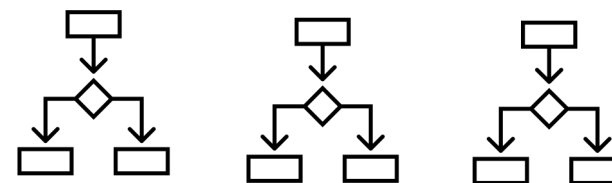
PBGI

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/ multi-  
stage feedback



"Cost-aware Stopping for  
Bayesian Optimization."

# Gittins Index vs Baselines on LCBench

