**Inject initial population**
A collection of sets of hyperparameters is injected to the GA.

**Selection and drop**
A model is trained for each set and these are ranked. The worst half is dropped.

**Cross pair**
Randomly interchange values of some hyperparameters between two sets.

**Mutate**
Randomly mutate the values of some hyperparameters.

**Drop duplicates and renew**
Remove the duplicates and add the new sets to reach the initial population.

**Results**
To watch carefully and attentively in order to learn or gain information.

Initial population

Start

Selection and drop

Genetic algorithm

Cross pair

End

Results

Mutate

Drop duplicates and renew