

1 exp

for循环和repeat until循环的用法

Algorithm 1: Some Algorithm

Input: coreEps, expandEps, minPts
Output: clustering results

```
1 generation_num = 1;  
2 repeat  
3   for  $i = 1$  to  $I$  do  
4     Evaluate the fitness of individual  $i$ ;  
5   Use tournament selection to select the most fit individuals;  
6   Generate the next  $I$ -individual generation by crossover and mutation;  
7   generation_num ++;  
8 until the best fitness is convergent or generation_num > MAX_GENERATION;  
9 return best individual
```

foreach循环的用法

Algorithm 2: Find an MFS of a failing SPARQL query Q

```
1 FindAnMFS ( $Q, D$ )  
   inputs : A failing query  $Q = t_1 \wedge \dots \wedge t_n$ ; an RDF database  $D$   
   output: An MFS denoted by  $Q^*$   
2  $Q^* \leftarrow \emptyset$ ;  
3  $Q' \leftarrow Q$ ;  
4 foreach triple pattern  $t_i \in Q$  do  
5    $Q' \leftarrow Q' - t_i$ ;  
6   if  $[[Q' \wedge Q^*]]_D \neq \emptyset$  then  
7      $Q^* \leftarrow Q^* \wedge t_i$ ;  
8 return  $Q^*$ ;
```
