

1 Conquer Algorithm

1.1 Introduction

These algorithms mainly contain with:

- divide and conquer
- decrease and conquer
- change and conquer

1.2 Pseudo code

Algorithm 1 Euclid's algorithm

```
1: procedure EUCLID( $a, b$ ) ▷ The g.c.d. of a and b
2:    $r \leftarrow a \bmod b$ 
3:   if condition ok then
4:     then do it
5:   end if
6:   while  $r \neq 0$  do ▷ We have the answer if r is 0
7:      $a \leftarrow b$ 
8:      $b \leftarrow r$ 
9:      $r \leftarrow a \bmod b$ 
10:  end while
11:  return  $b$  ▷ The g.c.d. is b
12: end procedure
```

data1	data2	data3
sex	10	3
hell	9	6

表 1: algorithm's table

1.3 Flowchart



图 1: algorithm's flowchart

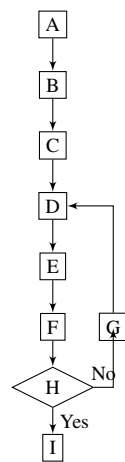


图 2: flowchart2

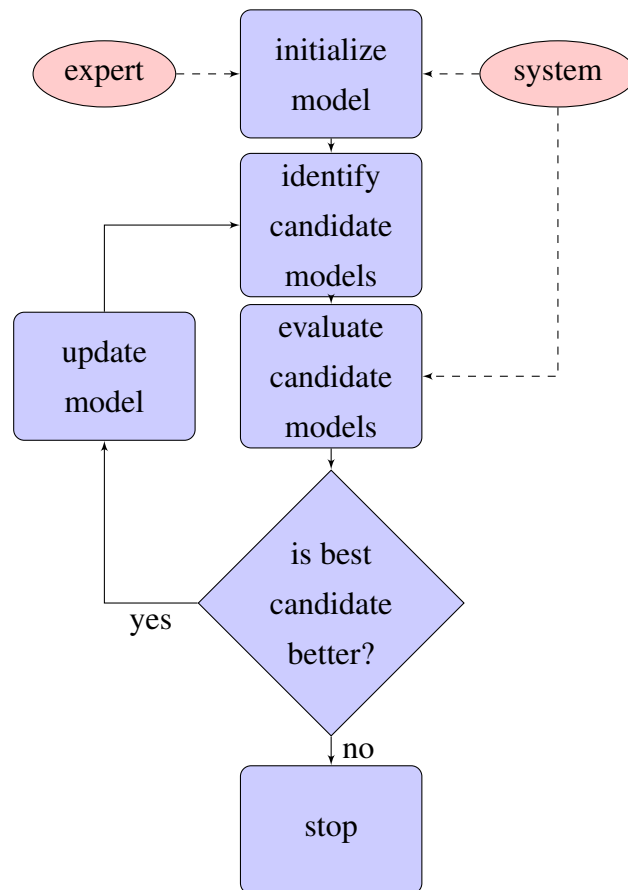


图 3: flowchart3

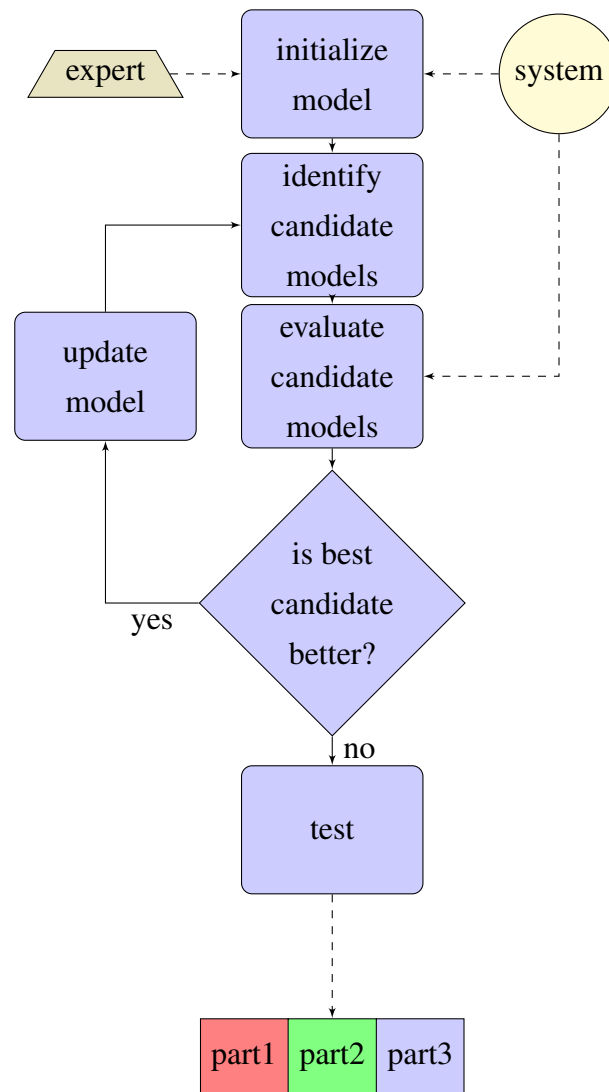


图 4: flowchart4