1 Dynamic Programming

1.1 Introduction

Dynamic programming is a method of computing the optimal result.

The main question as following:

- The minimal path of a graph
- The plan of parts in a production
- others‘

1.2 Pseudo code

Algorithm 1 Euclid's algorithm

```
1:  procedure EUCLID(a, b)                          ▷ The g.c.d. of a and b
2:      r ← a mod b
3:      if condition ok then
4:          then do it
5:      end if
6:      while r ≠ 0 do                              ▷ We have the answer if r is 0
7:          a ← b
8:          b ← r
9:          r ← a mod 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

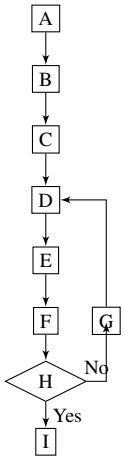

图 2: flowchart2

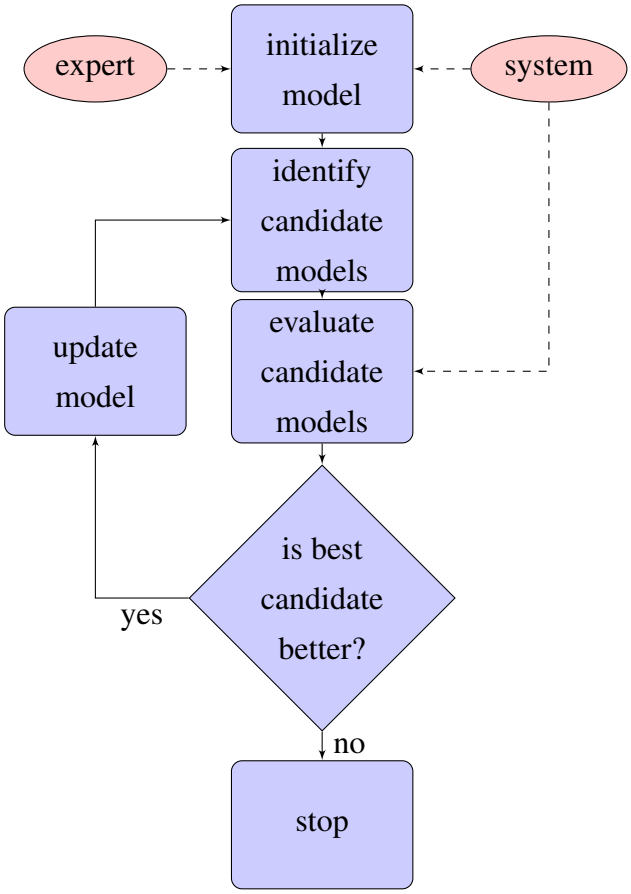

图 3: flowchart3

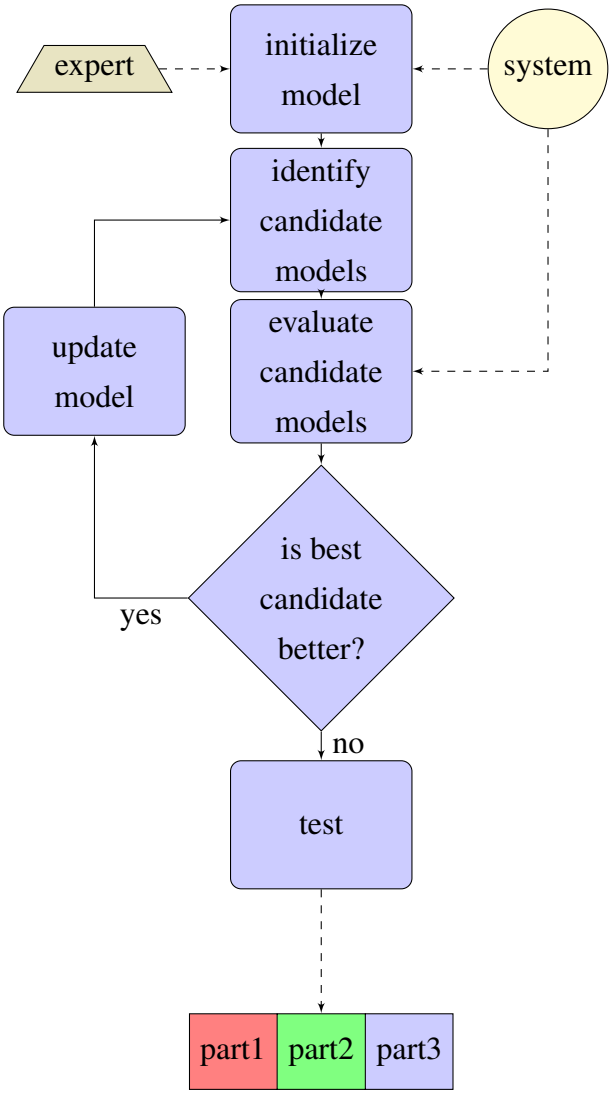

图 4: flowchart4