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 Divide-and-Conquer algorithm

Require: The total problem p

Ensure: The result of problem T

function DIVIDE-AND-CONQUER(p) ▷ Input problem as p
  if $|p| \leq n_0$ **then** ▷ If p is small enough, deal with it
    return(Adhoc(p))
  end if
  Divide p into sub-problems:$p_1, p2, ..., p_k$
  for $i \leftarrow 1$ to k **do**
    $y_i \leftarrow$ Divide-and-Conquer(p_i) ▷ Deal with p_i recursively
  end for
  $T \leftarrow$ Merge($y_1, y_2, ..., y_k$) ▷ Merge sub-problems
  return T
end function

data1	data2	data3
sex	10	3
hell	9	6

表 1: algorithm's table

1.3 Flowchart

图 1: algorithm's flowchart

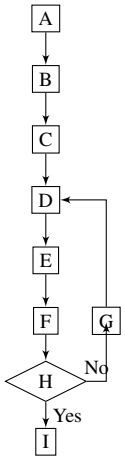

图 2: flowchart2

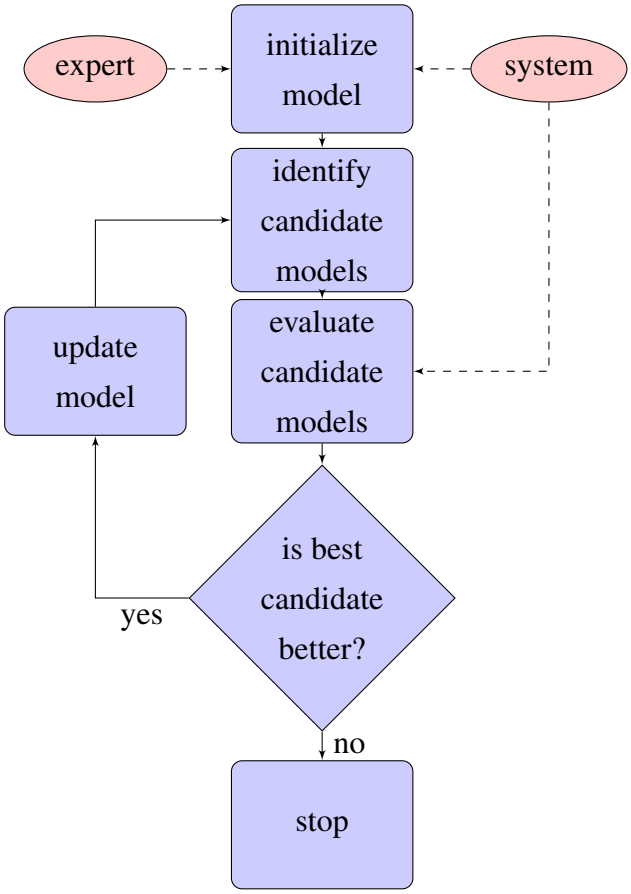

图 3: flowchart3

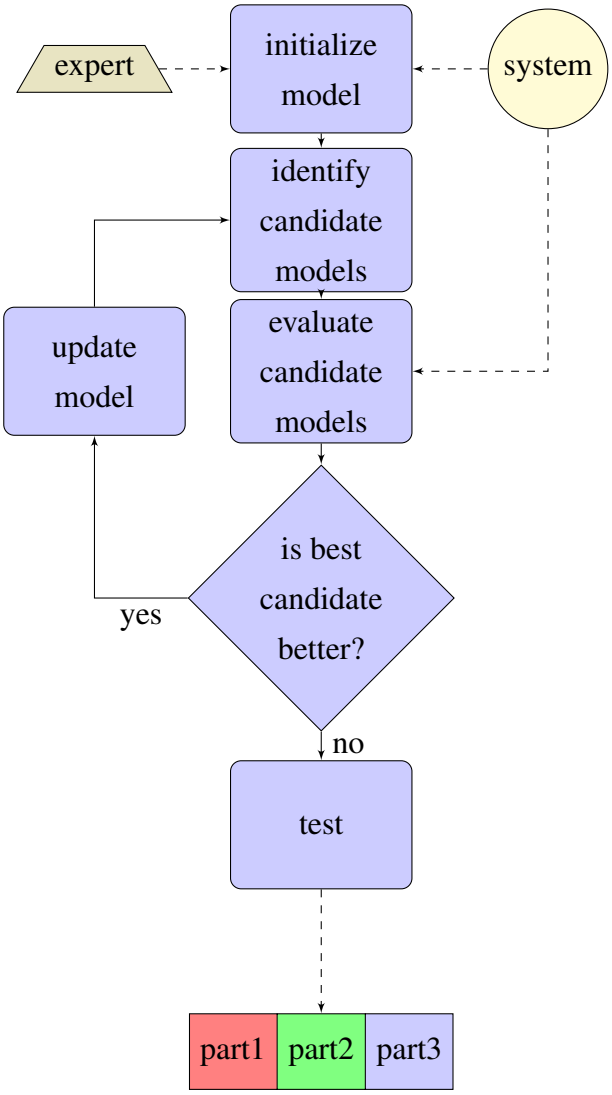

图 4: flowchart4