Recursion:-

Friday, July 24, 2020

2:58 AM

1)Choice and decision

2)recursive Tree

Note: we don’t create smaller input it will create automatically

Branch represent choice (o/p and I/P)

Machine generated alternative text:


3)recursion based problem:-----tree , graph, DP, backtracking, divide and conquer

Machine generated alternative text:
e e c-LA,u.Ä.n 
eco, 
Q) 
o) 

Machine generated alternative text:


IBH: ( induction base hypothesis) question

Design hypothesis:

1) on n and n-1 input

1. Design base condition
2. induction

See red one

Machine generated alternative text:
.4- 
RCIJO 
9) 
aros-e-p-„-ua 1 

Base condition:------- smallest valid input

Machine generated alternative text:


Note:--

1)Opening bracket choice is always there but closing bracket choice is sometimes there sometime not

1. If close bracket is greater than open bracket then two choices are there and then we are getting closing option
2. When open count become zero we are not getting opening option

Machine generated alternative text:
o 
?.2AA0 
O 
@ O,A-O 
AAC 
Quo 

Prefix : Print N binary number having 1 > = 0 for any prefix