To decide where can we use recurrsion

1. If we are given some choices and we have a decision to make we definitely use recurrsion
   1. There are four ways to solve a recurrsion
      1. When we know what decisions to take:

**By creating a recurrsive tree that we do is using IP-OP method**

* + 1. When we don’t understand what decisions to take but you know it is a recurrsion problem:

We use **base condition hypothesis and induction**

* + 1. **Choice diagram**