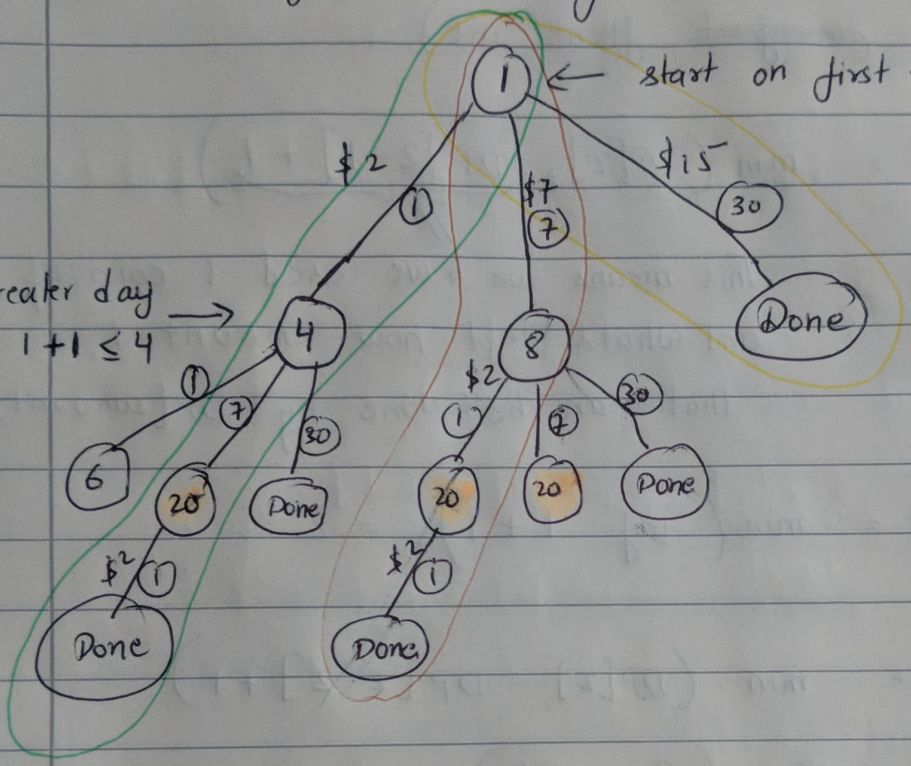
983:- Minimum Cost For Tickets

days = [1, 4, 6, 7, 8, 20] , costs = [2, 7, 15]
↑ ↑ ↑
1 , 7, 30 day pass

① Start from brute force



∴ Can buy any pass on each day

There can be multiple paths that lead to the solution, as shown in the color above. Time complexity 3^n

n = len(days)

Optimization can be done using the memorization technique See the highlighted (20) in the decision tree, it is being calculated again.

Algo:- dp = { }

```
def func(i)
    if i == n : return 0
    if i in dp: return dp[i]
```

See leetcode to understand, it replicates the recursion decision tree with memorization!