Il coins of | unit > | f | f | f | f |
$$\frac{1}{2}$$
 | $\frac{1}{2}$ | \frac

Best way
$$\Rightarrow 5 + 5 + 1$$
 $\Rightarrow 11$

Coins = [a] annow $= 3$
 $= 3$

The parks th

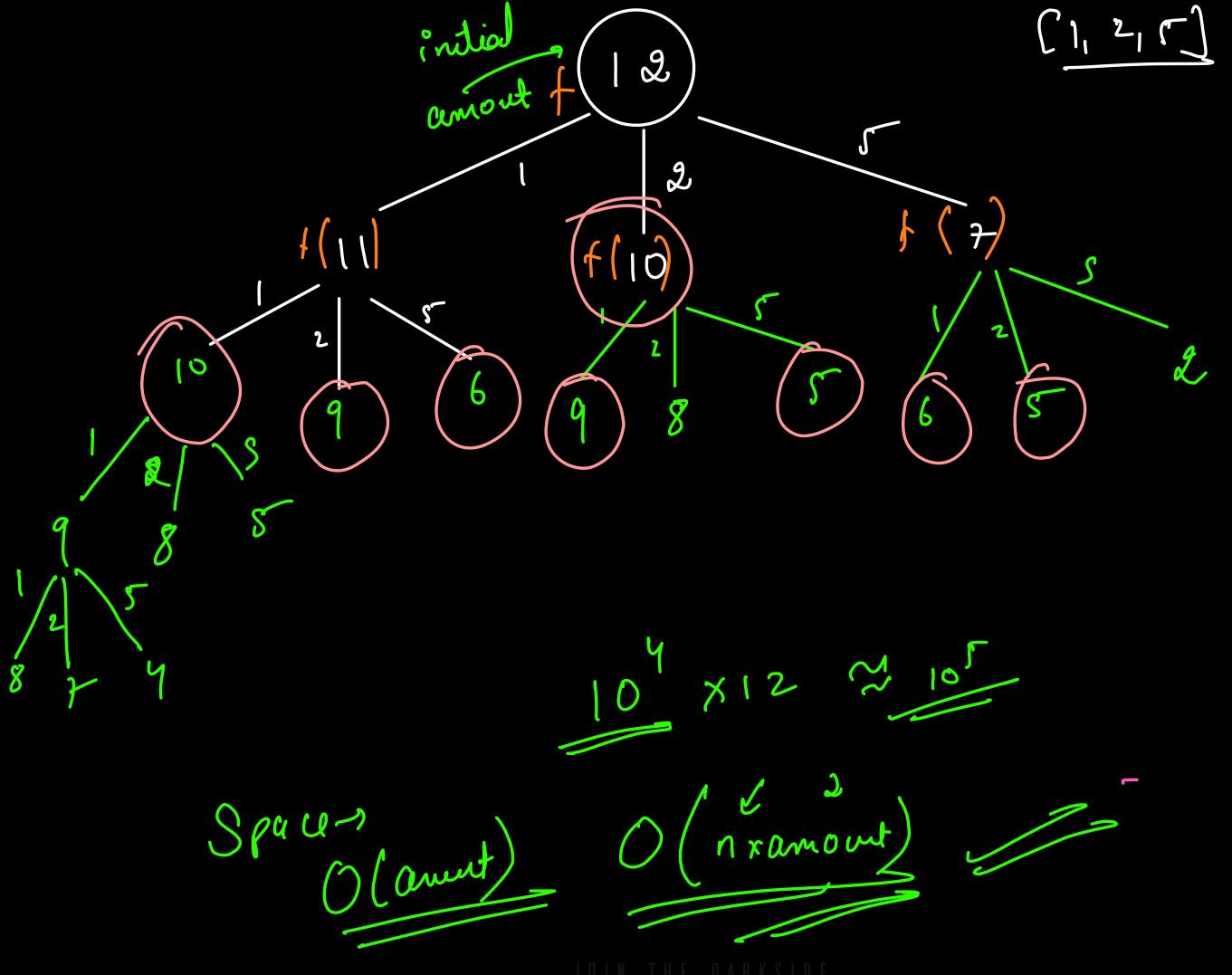
Coins 7 [1,2,5] amount = 12

(oins = [1,6,7] amount = 12

(oins = [1,6,7] amount = 12

7 1 1 12
$$\frac{-7}{5}$$
 $\frac{-1}{5}$ \frac

Brute Paa



flamount 1+ min f (amount - coins [1]) ruturns min coins HiE [0,1-1] and rejd bo gen 9 coins [i] & amount change of guen amount flamount - (oins (o)) f (amout - coins (17) flamout - (virs[n-1])

$$f(12)$$

$$f(13)$$

$$f(14)$$

$$f(16)$$

$$f(17)$$

$$f(16)$$

$$f(17)$$

$$f(17)$$

$$f(18)$$

$$f(18$$

00 - Max-value amount- 73

min no. of berfut sq integer Penfect \mathfrak{T} 12 1+1+1+1----1 12 tain ५ ४ ५ ४ ४ ५ 12 9 + 1 + 1 +/ 9+1+1+1 -> 5

ININ THE DARKSIDE

9990 -> voircley $f(n) = 1+ min \left(f(n-pf-sq(i))\right)$ \forall i \in [0, n-1] and n > pf - sq[i]

[2,7,15] en ficled days [1, 4, 6, 7, 8, 20] [217115] [1,7,3,4,5,6,7,8,9,10,30,31] 15+2 217 2 + 2 + 2 + 2 + 2 + 2

7 + 2 + 2 -> 11

I day ray 30 day 30

if we key a 7 day poss, the next faces we need well be on day 8 or more 30

T(1) > Om

1 day pass > lost[o]

7 day pass > lost[i]

30 day pass > lost(2)

JOIN THE DARKSIDE

cost(o) t f (dt1) $\int \left(d \right)$ (ost(1) + f(d+7)min dollars repd b stand from (08+ [2] + f (d + 30) d day & Complete the k i C d > days [1-1) if dis not part of

Fraud iterary