Recursion Puoblem Solving Technique

Substantian Solving Technique

Substantian Will call itself

Me-occur

Junctions will be called again & again

M+C (+M)

| turntine | Recursive |
| Sport | Spunctions |

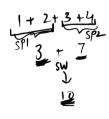
Keursian

So a function will call itself until a specific condition is met.

We will try to break perolders into smaller puolder, we assume the snaller task works and we just do the selfwork.

Steps to solve Remaion Publims

- 1) Identify the bigger publish
- 2) Identify the smaller peroblem (multiple)



y) From the answer of smaller publims, do self work and create the answer of bigger public

5) Rase condition -> Smallest Peroblem

(5) Very important

Stack Overflow Exceptions

1) Paint Acciojob N times

BP > Paint Acciojob N+Imes

SP > Paint Acciojob N-1 times

SW > Paint Acciojob 1 time

ACCIO JOB ACCIO JOB ACCIO JOB ACCIO JOB

BC> N==0

1,2,3,4,5

2) Print LtoN

BP -> Puint, 1,2,3, N

SP -> Privit 1 to N-1

SW > Print N

BC→ N>0

3) Print N to 1

BP -> N, N-1, N-2,, 3,2,1

SP -> Privat N-1+01

o . At A)

11-4-

ال الله

det

SW > 1 mm. BC - N70

Decrease Puint Increase Puint

BP: NoN-1,N-2,, 3,2,1, 1,2,3,, N-2,N -1,N

Sp: N-1, N-2, ... 8,2,1,1,2,3, N-2, N-1

SW: Paint N

BC: NE=0 suturn;

5) Calculate Factorial Recursively

BP: Find N!

SP: (N-1)! $\sqrt{sp = Jact(n-1)}$

SW: Nx SP

BC: 01=1

> Rewision on Arrays

Created with OneNote.