Recausion Concept for Data Structure Algorithm

when func calls itself until specified condition met on we can say calling func itself with different parameters Concept of stack overflow

Maximum depth вичной — neached limit def funcci: funcc) stack ____ used to state func calling for recursion and stack works on life concept func()
func()
func()
func()
func() Recunsion nequines base conditions def func (n) if nrio Hetung CJ # # Base condition for termination Hesult append ('Animudhma') netunn yesali func (x) if x == a: # Base Condition Hesult - [] Hesult append (x) Hesult extendC func(x-1)) # Recumsion Hetuun Mesuit

factorial of n

Thing will memains same as above instead of addition ----- use multiplication

Revense annay

Attumn Mesut

Buule fon Appuroach

Recursive approach



Time coupledly
$$\longrightarrow 0$$
 (2°) Exponential
$$\frac{2}{\eta} = \frac{2}{\eta - 1} \frac{2}{\eta - 2} = --$$