Recursion Basics Friday, 25 June 2021 5:08 PM	
Becurston: (function calling object) DASCUMPTION: Juntim does what you if want to do	
Sum (N) = 1+2+3+4+ ··· N-1+N a) Marnlogic: Solving function using subproblem  Sum (N) = Gum (N-1) + N  Base Condetin = Input value for which we shall sum (N) = Gum (N-1) + N	
Sum (N) = (sum (N-1) + N)  Stop rewestern.  Solving a Possibley, wing it's subproblem  [1+ 15 called as recurren]	
Int Sum (Pn+N) of D Accumption: SGRun N, calculate Sum f I'N natural 7  Mundon 4 return 9t.	
Dreturn Sum(N-1)+N == Magnloggc	
Sum (5): 15  15	
Frbnacis series  0 1 2 3 4 5 6 7 8 9 M-2 M-1 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
Pot $+fb$ (Pot N) {  Pref (N == 0) return 0 }  Preturn 1 }  Magnloge 1:  N=2: -> (N-1) (N-2)  Tetum $+fb$ (N-1) $+frb$ (N-1) $+fb$ (N-2) $+fb$ (N-1) $+frb$ (N-2) $+fb$ (N-2) $+fb$ (N-2) $+fb$ (N-3)	
N: 1, 2, 3, N	
Vold pri (90+ N) 4 Ass: of Golden (N) print au number from 1 = Ny  O &f (N == 0) return;  D pro (N-1) // 3[1, 7N-1]  Magnloggs  Pri (7): 1 2 3 4 5  Bar Condetin: pri (N-1): 1 2 3 4 5 6	7
prics)	
8 Gaven N, print number en deve N, N-1,-1	
$ \begin{array}{c} \text{Vord}  \text{pri} \; (\text{Pnt} \; N) \; 1 \\ \text{If} \; (N=0) \; \text{return}; \\ \text{prof} \; (N); \\ \text{prof} \; (N-1); \\ \text{If} \; (N-1) \; (N-2,-1) \\ \end{array} $ $ \begin{array}{c} \text{Parnlagre:}  \text{prof} \; (5) \; : \; 5 \; 4 \; 3 \; 2 \; 1 \\ \text{prof} \; (7) \; : \; 7 \; 6 \; 5 \; 4 \; 3 \; 2 \; 1 \\ \text{Prof} \; (N-1); \\ \text{Prof} \; (N-1) \; (N-2,N-3,-1) \\ \end{array} $ $ \begin{array}{c} \text{Ban Goods Hom:} \; \\ \text{Prof} \; (N-1) \; (N-2,N-3,-1) \\ \end{array} $	