DATE / / SUBJECT: دس المالاسلال مرف الع اسلاي. 1. 162 1 Sign Hier, n-1 [nin min] coils in Sign of soil. · wik zil (50) ml my [a, b] (0) (1) (1) (1) (1) (5(m) (5(m) . Y € (S(x) € C (a,b) الماج السلاك ما الع قطعة قطعة لتسطله الماجة ي x الست ماهوي له S(n) = S;(n) tace [xi, ni+1] = -11, --, n-1 !- Il May lieters I louble (Il  $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \\ - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x - (n < 1) \end{cases}$   $S(n) = \begin{cases} x -$ S Johand

SUBJECT: -intropological of - Ju Margail What toilies Sim () E.D x=1 (x= blest 5211, S(u) (S(u) (En ) ] () - Instructional of Sies =  $S(n) = \begin{cases} n^{\frac{n}{4}} + (n+1)^{\frac{n}{4}} & 1 \le n < 0 \\ 1 + 1^{\frac{n}{4}} + 1^{\frac{n}{4}} & 1 \le n < 0 \end{cases}$   $(v + 9(v - 1) + 7^{\frac{n}{4}}(n - 1)^{\frac{n}{4}} + (n - 1)^{\frac{n}{4}} + (n - 1)^{\frac{n}{4}} + (n - 1)^{\frac{n}{4}} = 0$ (sel) 1 20 clm/1 (1/2) al gejer i = 1/..., n fi, i = 1/..., n n ni deint id (3) S(wi) = f(di) in, 1, -, n

SUBJECT

ومراط ريم ال يام (١١) و والماس S(n) = S; (n) .1

Vue [xi, xi+,] S(x)= \ Si(x) - UN Harily list S, cm I

hay ken filx; nil, [xi, nin) och xi of when! (complete)

| Sin(21) = Si(4i) | Si- (ai) = Si(ni) Si-1 (ni) = 5? (ni)

على المعلق المرادة على المعلى المعلى

(#)  $S_{i}^{1}(n) = \frac{n-\kappa_{i+1}}{n_{i}-\kappa_{i+1}} S_{i}^{2}(n_{i}) + \frac{n-\kappa_{i}}{n_{i}-\kappa_{i}} S_{i}^{2}(n_{i+1})$ 

hi= 2: - 2 : [ ] ex

Mi = 1 5. (x;) Si'(n) = -4(x-xi+1) mi +

4(n-wi) mi+1

S Johand

 $\frac{\text{GCOVIII}}{\text{GCOVIII}} = \frac{-\text{V}(n-n_{in})^{\frac{1}{2}} m_{i} + \frac{\text{V}(n-n_{i})^{\frac{1}{2}} m_{i}}{h_{i}} + C_{i}}{h_{i}}$   $\frac{\text{GCOVIII}}{\text{GCOVIII}} = \frac{-(n-n_{in})^{\frac{1}{2}} m_{i} + (n-n_{i})^{\frac{1}{2}} m_{i+1}}{h_{i}} + C_{i}(n-n_{i}) + C_{i}}{h_{i}}$ على بالسفاره السرف وروى بالى دايم. Si(xi) = himi+di=fi Si(xi+1) = hi mi+ + Cihi + di = fi+1 - fores - win [min wind soilul Silus obel mint color mint !! السفاره لزمرة (٢) بو تل تقى طاع:  $S_{i-1}(n) = \frac{-v(n-n_i)^{r}}{h_{i-1}} m_{i-1} + \frac{v(n-n_{i-1})^{r}}{h_{i-1}} m_i + C_{i-1}$ tre [xi-1, xi) iel, ...,n (40)

1 | Single print & (ai) = 2: (ai) | Single print of the mall hi-1mi-1 + 4(hi-1+hi) mi+him i+1 = f(ui, ui+1) -+[xi-1,xi] i=1,...,n-1 - U, = - > m.,.., mn (d. (m, ..., m,) \_w) ( ) + n+1 , Joles n-1 ( blu O obus) أن كه تعاديماولات وتحولات بامي بالريانيية دويهادلي ويؤيز لاني. إي دو رمادل المراوسي زياد كاللي كني: (3/21 f(b), f(a)) 5(b)=f(b), S(a)=f(a) = nes (5/1/10) (9)

K=-,1,7 5(a)=5(b) = -, bit (5/1/10) (9) Colo - Mes Como ( & Collins) obli ti h=ni+1-nimit dologo [a,b] coit soloji compo is one is mit) Duce. · (P) mi-1+ mi + mi+1 = 4f[ni-1/ni/ni/] = Afterland

h: = hi=h = 1051/5 - Si(xi) = 1 hi-1 mi-1 + Y (hi-1 + hi) mi + hi mi+1 = 4 [mi, mi+]  $-\frac{f[n_{i-1},n_{i}]}{\forall h} = \frac{1}{\sqrt{h}}, n-1$   $-\frac{1}{\sqrt{h}} = \frac{1}{\sqrt{h}}, \frac{1}{\sqrt{h}}$   $-\frac{1}{\sqrt{h}} = \frac{1}{\sqrt{h}}, \frac{1}{\sqrt{h}}$ f [ni-1,ni) = f[ni,ni+1] - f[ni-1,ni] > 21. - 1/2 + 1/2 - 1/2-1 = Th 1 - 1 0 1 : - word of the wife of the Colin - 1 of the state - 1 of the state - 1 of the color - 1 of the co -> mi-1+(mi+1= \( \frac{1}{h'}\) i=-,1,t  $= D^{\dagger} f_{i-1}$  $m + + m_1 + m_2 = 0$  $\Delta f = \Delta f_1 - \Delta f_2 = f_7 - f_7 - (f_1 - f_2) = f_7 - f_1 + f_2$   $= -f_7 - f_7 - (f_1 - f_2) = f_7 - f_1 + f_2$ 

(V)

M. = Mr = .

> +m,=-1 -> m,=--

| M = - 1 m, = - 1 , m = .

 $\begin{cases} d_{0} = \frac{1}{4} & \int_{0}^{1} d_{1} = \frac{1}{4} & \int_{0}^{1} S(n) = \frac{1}{4} \left( n + 1 \right) + \frac{1}{4} \left( n + 1 \right) \\ C_{1} = \frac{1}{4} & \left( C_{1} = -\frac{1}{4} \right) & \left( S_{1}(n) = \frac{1}{4} \left( n - 1 \right) - \frac{1}{4} n + \frac{1}{4} \right) \end{cases}$ 

13) rates des for a sel justicomolum. while cout call of Unit = V, bus