#include stdin.hb #include catdin.hb #include catdin.hb
# ## ## ## ## ## ## ## ## ## ## ## ## #
/* (写形の入力 */ void input_matrix( double ***a, char c, File *Fin, File *Fout); /* ペントルの入力 */
void input_vector( double "b, cher c, FILE "fin, FILE "fout); /* 行形の網絡接後 */
/* TEMONRABILE */ void free_mearts(Goudle ***, int ori, int ori, int oli, int oli); orb to demonstrate */
model "Membrici(en ext_ int ext_) be exl_ be exl_;  /**[TRIOMRRED" / "TRIOMRRED" /  voids free_membricionale "*s, bet exl, bet exl, bet exl;  /** or > > 1.00 million    voids free_membricionale *s, bet exl, bet exl, bet exl, bet exl;  voids *excercive(ext_ int or j)  voids *excercive(ext_ int or
/* H-MIRRY */
int double_comp( cont void *s1 , const void *s2 );  /* BCRED_closering =(no. 1 + no. 1
double "sar(couble ""a, couble "b, couble "x, couble smega);  int main(void)
{    FILE "file, "fout;    ouble "*s, "b, "x, omega=1.22;    int i; }
/* (予防よびドウトルの関節機関 * / a * の数はfx(1, N, 1, N) /* (予 円 1 (1N)[1N] */ b * のなはfx(1, N) /* (1N) /* x * のなはfx(1,N) /* x(1N) */
a 7-(107-F) s
f (fin form( 'input_so.det', 'ア')) NUL.)  { printf("アイルが視っかりません: input_so.det 'n');
exit(1); }  if( (fout = fosen( "output_sp.dat", "n")) == MRLL )
{     printr("ファイルが性感できません : output_sp.det \n");     exit(1);
)
$lapst_natrix(a, 'h', flo, fout);$ $/=$ 門刊 $A \otimes \lambda \otimes D$ $/=$ $/=$ $lapst_natrix(a, 'h', flo, fout);$ $/=$ $/=$ $lapst_natrix(a, h', flo, fout);$ $/=$ $lapst_natrix(a, h', flo, fout);$ $/=$ $lapst_natrix(a, h', flo, fout);$ $/=$ $lapst_natrix(a, h', flo, flo, flo, flo, flo, flo, flo, flo$
/* 結局の担力 */ forintf( foot, "Newb 合稿は初の通りです(a**); for( 1 = 1 ; 1 <= N ; 4++ ) { {
<pre>fprintf(fout, "M*\n", x(1)); }</pre>
fclose(fin); fclose(fwt); /* ファイルのクローズ */ /* 領核の総数 */
/* Macounter '' free_datrin( a, 1, N, 1, N ); free_ductor( b, 1 ); free_ductor( x, 1 ); return 0;
3 on comits as
/* SOUR */ double *nor(double **s, double *b, double *ns, double emega) {
double egs, "wo, s, t; int i, j, wed;
xm = dvector(1,N); /* xm(1N) */ do
( $ \label{eq:continuous} \begin{split} & ( & \\ & \cap \text{ so } ( - x_i t_i , x \in -x_i (t+1) )^{-1} \\ & \text{ for } ( i = 1; i \leftrightarrow B_i \mapsto ) \text{ so } (i) = \pi [i]_1 \ /^n \times_i k \vdash x_i (t+1) \text{ SPC}_i \wedge_i \\ &  i = 1; i \leftrightarrow B_i \mapsto ) \text{ so } (i) = \pi [i]_1 \ /^n \times_i k \vdash x_i (t+1) \text{ SPC}_i \wedge_i \end{split} $
/* i=1 0/85% */ t = 0.0; for( j = 2; j <= N; j >= ) t == e[1][[j]*no[[j];
t = 0.05 $fer(\frac{t}{2} - 2) f \leftarrow 0; fer) t \leftrightarrow a(1)[2]^{n}o(\frac{t}{2});$ $s(1) = (-0.01) - t \cdot 1/a(1)[1];$ $f = (-0.01) - t \cdot 1/a(1)[1];$ $for(-1 - 2) f \leftarrow 0; fer)$
5 = 0.01 T = 0.01
for(j = 1; j < 1; j = ) s = a[1][[]*a[]]; /* 1-1 円法でのの */ for(j = 1-2; j < 1; j = ) t = a[1][]*ac[]]; /* 1-1 円法部のの */ x[] = (a[] - s - t )/a[1][1]; }
/* ここまではガウス・ザイデル(法と同じ */
/* south */ for(1 = 1; 1 <= N; 1++ ) {
x(i) = xo(i) = omega = ( x(i) - xo(i) ); /* 順正 =/ )
<pre>far( 1 = 1; 1 &lt;= N; 1 ++ ) x0[1] = x0[1]-x[1]; eps = vector_norm_max(xx, 1, N); Res;</pre>
while(ess > 05 && k < 1990);   free_dector( so, 1 );
if(k ** DDX) { grinnf("答えが使つかりませんでした'い");
print Wantermarker Calmy exit(); }
grint("安徽田路)zw 田です\n", k); /" 原復田時を高田に表示 "/ return x;
) }
/* a[18](18) @\\T] */ void input_matrix(Gouble **a, cher c, Filt *fin, Filt *fout)
( int i, do
for int (four, "IPSNs: ULDOWN $\nabla F(u)$ ", c); for (i = 1; i <= N; i++) {
<pre>for (j = 1; j &lt;= N; j++) ( formafifin. "Nif", Bafilffl):</pre>
{     fscarf(fin, "MiF, &m(1)(5));     fprint(fout, "M3.2fte", a(1)(5)); } }  fsclarf(fout, "Mn");
)
/* 0[1形のカカ */ void input_vector(double *b, char c, FILE *fin, FILE *fout)
f for \$3
for in Fifther, "~?" i.d. (II.b.D) $(d)$ $(T_{a})$ $(T_{a})$ for $(1 = 1; 1 < n; 1 + 1)$ $(n = 1; 1 < n; 1 + 1)$
fscanf(fin, "Ni", 80(1)); fsrintf(four, "Ni.7", 0(1)); fsrintf(four, "nu");
1
<pre>double ""dmatrix(int nrl, int nr2, int nll, int nll) {   int i, nrow, ncol;</pre>
int i, nraw, ncel; double **s;
nraw = nr2 - nr1 + 1; /* 行の数 */ nca1 = nl2 - nl1 * 1; /* 列の数 */ /* 行の編集 */
<pre>if ((a = malloc(nrow * sizeof(double *))) == MULL) {</pre>
print("メモリが確認できません。(竹門 a)(o"); exit(1); }
a = a - mri; /= (TETFST =/ /= 3600000 =/
/= Nomalit / for (i = xri; i <= xri; i <= xri; i <= inser(munic)); full = millio(mult = inser(munic)); for (i = xri; i <= x
a(i) = a(i) - nli; /* 列尼于6字 */ return (a);
) void free_descrip(deable **e, int er2, int er2, int er2, int er2)
( int i:
/* :/モリの秘笈 */ for (1 * ***); ( ** ***) free((***)*(8(1) * **(8(1) * **(8(1))); free((***)*(8 ***)*(8 ****)*);
free((vois *)(a + nr2));
<pre>double "dwester(int i, int j) {</pre>
<pre>counte *s; if ((a = malloc(((f - 1 - 1) * sizeof(mounle)))) -= NALL) /// // // // // // // // // // // // /</pre>
grint("以モリが確認できません(from dvector)\n"); exit(1);
) return (a - 1);
) void free_dvector(double %s, int i)
{     free((vaid *)(* - i)); /* (vaid *) 聖心中中天上於起東 */     } }
/* LENDAR (R.B) */ int double_comp(cont wid *s], const wid *s2)
{     const double a1 = *((double *)s1); /* (double *) ^+ + \times + \times /     const double a2 = *((double *)a2); /* (double *) ^+ + \times /     */
cost dute 4 = "((couls "\$44)) /" (couls ") ~~+4/( ") [f (a1 < a2)] { return -3;
return -12
fetum 0;
else { return 1;
}
/* 都大雅/A-Aの計算 s(mm) */ double vector_norm_max(double *s, int s, int s) {
tot i, top; top = n = n + 1; /* 立原金粉の砂塞 */ for (i = n; i = n; i = n) #13 * (100(041)) * 近代元代間がドレルが #22 * がたいたことに注意 */
#[1] = fabs(#[1]); /* 五/((() 子・() () () () () () () () () () () () () (