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```

#if defined(PremiaCurrentVersion) && PremiaCurrentVersion < (2008+2) //The "#els
#else

void matmat(double **a, int nra, int nca, double **b, int ncb, double **prod);
/*-----
Postmultiplies the matrix a[0..nra-1][0..nca-1] by the matrix
b[0..nca-1][0..ncb-1] and returns the product in the matrix
prod[0..nra-1][0..ncb-1].
-----*/

void matvec(double **a, int nra, int nca, double *x, double *b);
/*-----
Postmultiplies the matrix a[0..nra-1][0..nca-1] by the vector
x[0..nca-1] and returns the product in the vector b[0..nra-1].
-----*/

void transpose(double **a, int nr, int nc, double **at);
/*-----
Returns the transpose of a[0..nr-1][0..nc-1] as
at[0..nc-1][0..nr-1].
-----*/

void vecmat(double *x, double **a, int nra, int nca, double *b);
/*-----
Premultiplies the matrix a[0..nra-1][0..nca-1] by the vector
x[0..nra-1] and returns the product in the vector b[0..nca-1].
-----*/

double vecvec(double *first1, double *last1, double *first2);
/*-----
Returns the inner product between the vectors u[0..n-1] and
v[0..n-1].
-----*/

//void pairwdiff(double* first1, double* last1, double* first2, double* last2, d
void pairwdiff(int n, double *x, double *y, double **dest);

/*-----
Computes the pairwise differences between the elements in

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[first1, last1) and the elements in [first2, last2) and places them
in dest. dest must be large enough to hold all of the $m * n$
differences, where $m = \text{last1} - \text{first1}$ and $n = \text{last2} - \text{first2}$.

-----*/

#endif //PremiaCurrentVersion