```
/*
 * This code is from "Algorithms in C, Third Edition,"
 * by Robert Sedgewick, Addison Wesley Longman, 1998.
 * (possibly with some small changes---check the book!)
 */
int **malloc2d(int r, int c)
  { int i;
    int **t = malloc(r * sizeof(int *));
    for (i = 0; i < r; i++)
      t[i] = malloc(c * sizeof(int));
    return t;
  }
```