

1. **Making a graph.** I'm just creating a file `/tmp/prod,m,n.gb`, where  $m$  and  $n$  appear on the command line.

```
#include "gb_graph.h"    /* we use the GB_GRAPH data structures */
#include "gb_gates.h"    /* and the product graph generator */
#include "gb_save.h"     /* and we save our results in ASCII format */
long m, n;
char buf[100];
int main(int argc, char *argv[])
{ Graph *g, *gg, *ggg;
  if (argc ≠ 3 ∨ sscanf(argv[1], "%ld", &m) ≠ 1 ∨ sscanf(argv[2], "%ld", &n) ≠ 1) {
    fprintf(stderr, "Usage: %s m n\n", argv[0]);
    exit(-1);
  }
  g = prod(m, n);
  sprintf(buf, "/tmp/prod,%ld,%ld.gb", m, n);
  save_graph(g, buf);    /* generate an ASCII file for it */
  return 0;             /* normal exit */
}
```

**2. Index.***argc*: 1.*argv*: 1.*buf*: 1.*exit*: 1.*fprintf*: 1.*g*: 1.*gg*: 1.*ggg*: 1.**Graph**: 1.*m*: 1.*main*: 1.*n*: 1.*prod*: 1.*save\_graph*: 1.*sprintf*: 1.*sscanf*: 1.*stderr*: 1.

# MAKE'PROD

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