

(Downloaded from <https://cs.stanford.edu/~knuth/programs.html> and typeset on September 17, 2017)

1. Intro. A triviality to put the Flammenkamp–Clift table of addition chain data into the format of my ACHAIN programs.

```
#include <stdio.h>
main()
{
    register int c, h, i, j, k, n;
    for (n = 1, h = 0; ; n++) {
        if (¬h) {
            c = fgetc(stdin);
            if (c ≡ EOF) break;
            h = 3;
        } else h--, c ≫= 2;
        for (i = j = 0, k = n; k ≫= 1, j++) i += k & 1;
        for (i--; i; j++) i ≫= 1;
        putchar((c & 3) + j + ('␣' - 1));
    }
}
```

2. Index.

c: [1](#).

EOF: [1](#).

fgetc: [1](#).

h: [1](#).

i: [1](#).

j: [1](#).

k: [1](#).

main: [1](#).

n: [1](#).

putchar: [1](#).

stdin: [1](#).

ACHAIN-DECODE

	Section	Page
Intro	1	1
Index	2	2