Histogram of chav: int C[256]; // store counts for (inti =0; i2256; itt) C(i) = 0; char x; while (cins) x) C[x]++; her skings: map (string, int) (; String K' while (con >> x) CCXZ ++', Say S = {0,1,2}. Power Set: P(s) = { { }, {0}, {1}, {2}, {0,1}, {0,2}, {1,2},
{0,1,2}} $|f| |S| = n, |P(S)| = 2^n$ Recursive broak down: how to obtain Q(SU(x)) from Q(s)? $P(s) \cup (P(s) + \{x\})$

"add x to every set in
$$P(S)$$
"

E.s.
$$S = \{0,1\}$$
. The $P(S) = \{\{1\}, \{0\}, \{1\}, \{0,1\}\}$
 $P(S) + \{2\} = \{\{2\}, \{0,2\}, \{1,2\}, \{0,1,2\}\}$

Algorithm:

Base (use:
$$|S| = 0$$
 ($S = \{\}$)
Then $P(S) = \{\{\}\}$