

```
Code:
                void dowers- of-hand (wint n, sounce, awaition, destination) {
                          if (n = = 1) {
    cout << "Move disk | from" << Sownie << "tower to"
    << dupinetion << "tower" << endl;
                                 // Nove top n-1 disks form source to auxiliary dower to wors-of-hance (n-1, source, destination, auxiliary);
                                "More nth disk from sowice to destination tower cut << "Nove disk" << n << "from" << sownice << "fower to" << destination << "fower" << endl;
                              1/ Move n-1 disks from auxiliary to dyfination towest downs-of-hanoi (n-1, auxiliary, source, defination);
       To check what er an array is souted
                 bool in-array-souted (intaur(), inta) {
                       uf (n==1) }
else {
                             vietwin (aui[n-1]> avi[n-2])? is-aviory-sorted (avi, n-1) & false;
2.12 Back tracking & Problems and Solutions
      Generate all strings of n bits

Algebra thm:

En 3 if n = 4
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(ode o
          void generate-n-bits (unt i, bool port ], int n) {
                if (i = =n) {
    four (inf) = 0; j < n; j ++ ) {
        ls wt << avr[j] << ';
             else \xi

gen viale-n-bits (i+1, ovor, n);

ordinate-n-bits (i+1, ovor, n);

gen viale-n-bits (i+1, ovor, n);
```