}

}

This code does not look like any algorithm I have seen before. My guess is it is obfuscated, since the value of var2 is never read and there are a series of complex operations that ultimately seems to have little purpose. In fact, when we ran this code it literally did nothing.

I added the temp variable inside the loop to make the C code a bit easier to look at, although I don't believe this variable existed in the original source code.

```
4)
#include <stdio.h>
int proc1(int *array, int length, int arg_8) {
  int v10 = 0, vc = 0, v8, v4 = 0;
  //loc_4015B7
  while (v4 < length) {
     v8 = 1;
     //loc 40155E
     while (v8 < arg_8) {
       //loc 401538
       while (array[vc] == 0) {
          vc = (vc + 1) \% length;
       v8 += 1:
       vc = (vc + 1) \% length;
     //loc 401575
     while (array[vc] == 0) {
       vc = (vc + 1) \% length;
     v10 = array[vc];
     array[vc] = 0;
     v4 += 1;
  }
  return v10;
int main (int argc, char **argv, char **envp) {
  int array[99];
  int v1a8 = 7;
  int length = 100;
  int index = 0;
  while (index < length) {
     array[index] = index + 1;
     index += 1;
  }
  printf("%d\n", proc1(array, length, v1a8));
```

This code actually prints a value, it prints 50. The code still seems very arbitrary, all it does is iterate through the array that is given to it, setting everything to 0 until either the array runs out of entries or it reaches it's maximum number of values.