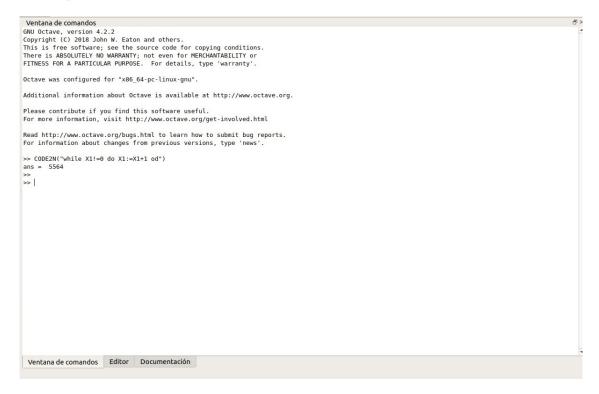
Práctica 4

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1. Codigo WHILE

Create the simplest WHILE program that computes the diverge function (with zero arguments) and compute the codification of its code.



2. Vectores

Create an Octave script that enumerates all the vectors.

```
function vectores()
    while true
        disp( godeldecoding(i))
    end
end
```

```
Ventana de comandos
>> vectores()
i = 0
[](0x0)
i = 1
i = 2
   0
i = 3
   0
          0
      0
 2
i = 7
  0
      0
              0
          0
    8
          0
   1
   0
i = 10
3
i = 11
  0 0
              Θ
          0
i = 12
```

3. Todos los códigos WHILE

Create an Octave script that enumerates all the WHILE programs.

```
function whilecode()
  i = 0
  while true
    disp(N2WHILE(i))
    i = i+1
  end
end
```

```
Ventana de comandos
(0, X1≔0)
i = 1
(1, X1≔0)
i = 2
(0, X1=0; X1=0)
i = 3
(2, X1≔0)
i = 4
(1, X1=0; X1=0)
i = 5
(0, X1≔X1)
i = 6
(3, X1≔0)
i = 7
(2, X1=0; X1=0)
i = 8
(1, X1=X1)
i = 9
(0, X1=0; X1=0; X1=0)
i = 10
(4, X1≔0)
i = 11
(3, X1=0; X1=0)
i = 12
(2, X1=X1)
-- less -- (f)orward, (b)ack, (q)uit
```