

Práctica 4

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

```
octave:19> F("(1, X1:=X1+1; while X1!=0 do X1:=X1 od)", [0])
complexity has reached 1000, press Ctrl-C to stop, or any other key to continue...

octave:18> CODE2N("X1:=X1+1;while X1!=0 do X1:=X1 od")
ans = 139126
```

2. Create an Octave script that enumerates all the vectors

```
i = 0
while (true)
    godeldecoding(i)
    i++
endwhile
```

3. Create an Octave script that enumerates all the WHILE programs.

```
i = 0
while (true)
    N2WHILE(i)
    i++
endwhile
```