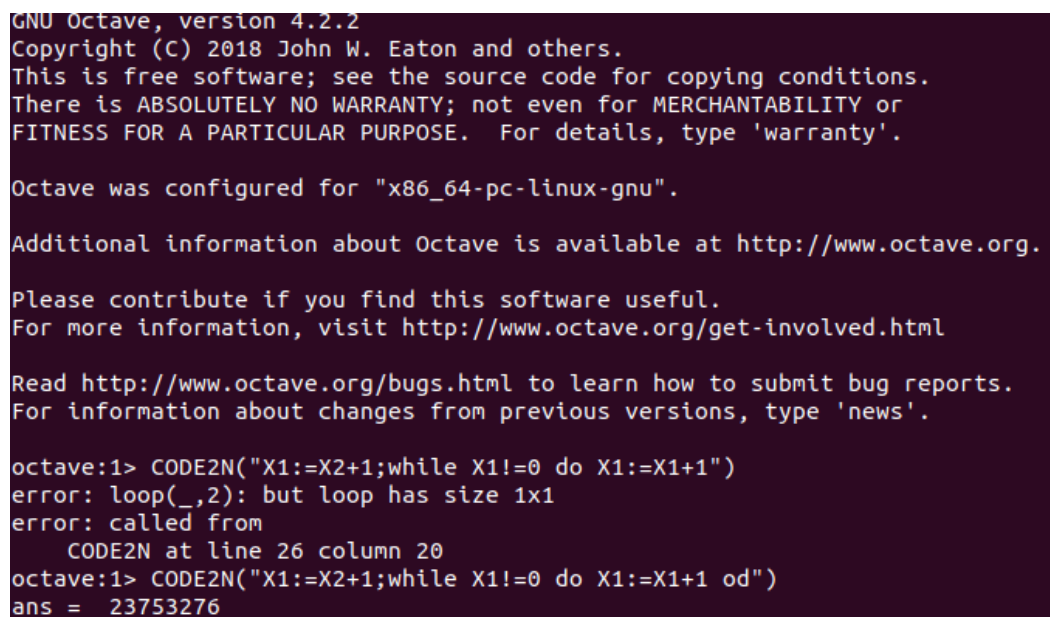


# Practica 4

25 de diciembre de 2022

1)

```
s:
X1:= X2+1
while X1!=0 do
    X1:=X1+1
od
```



```
GNU Octave, version 4.2.2
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FITNESS FOR A PARTICULAR PURPOSE. For details, type 'warranty'.

Octave was configured for "x86_64-pc-linux-gnu".

Additional information about Octave is available at http://www.octave.org.

Please contribute if you find this software useful.
For more information, visit http://www.octave.org/get-involved.html

Read http://www.octave.org/bugs.html to learn how to submit bug reports.
For information about changes from previous versions, type 'news'.

octave:1> CODE2N("X1:=X2+1;while X1!=0 do X1:=X1+1")
error: loop(_,2): but loop has size 1x1
error: called from
    CODE2N at line 26 column 20
octave:1> CODE2N("X1:=X2+1;while X1!=0 do X1:=X1+1 od")
ans = 23753276
```

2)

```
function printVect(N)
    i=0;
```

```

while (i<N)
    disp([' (' num2str(godeldecoding(i)) ')'])
    i = i + 1;
endwhile
end

```

```

octave:1> printVect(22)
()
(0)
(0 0)
(1)
(0 0 0)
(1 0)
(2)
(0 0 0 0)
(1 0 0)
(0 1)
(3)
(0 0 0 0 0)
(1 0 0 0)
(0 0 1)
(2 0)
(4)
(0 0 0 0 0 0)
(1 0 0 0 0)
(0 0 0 1)
(0 1 0)
(1 1)
(5)
octave:2>

```

3)

```

function printWhile(N)
    i=0;
    while (i<N)
        disp(N2WHILE(i))
        i = i + 1;
    endwhile
end

```

```
octave:2> printWhile(14)
(0, X1:=0)
(1, X1:=0)
(0, X1:=0; X1:=0)
(2, X1:=0)
(1, X1:=0; X1:=0)
(0, X1:=X1)
(3, X1:=0)
(2, X1:=0; X1:=0)
(1, X1:=X1)
(0, X1:=0; X1:=0; X1:=0)
(4, X1:=0)
(3, X1:=0; X1:=0)
(2, X1:=X1)
(1, X1:=0; X1:=0; X1:=0)
octave:3>
```