Practica4

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

La secuencia de instrucciones del programa sería la siguiente: X1 := X1 + 1 ; while X1 != 0 do X1 := X1 od

2 Create an Octave script that enumerates all the vectors

–Set the size of the set n = 3;
count = 1;
for i = 1:2^n
$binary = dec2bin(i-1, n)$;
$fprintf('Vector --d : [', count)$;
$forj = 1 : n$
$fprintf('ifj < n$
$fprintf(',')$;
$endif$
$endfor$
$fprintf(']')$;
$count = count + 1$;
$endfor$

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

program$_list$ = "$program1$","$program2$","$program3$";
$i = 1$;
$whilei <= length(program_list)$

$disp(program_listi)$;
$i = i + 1$;
end