```
ClrHome
Lbl B

int(999rand)→D
Ø→C
(ln(D)/ln(2))→A
int(A)+1→A
For(X,A,Ø,⁻1)
:If (D-(2^X))≥Ø
Then
::C+(1Ø^X)→C
::D-2^X→D
:End
End

Disp C
Goto B
```