What if?

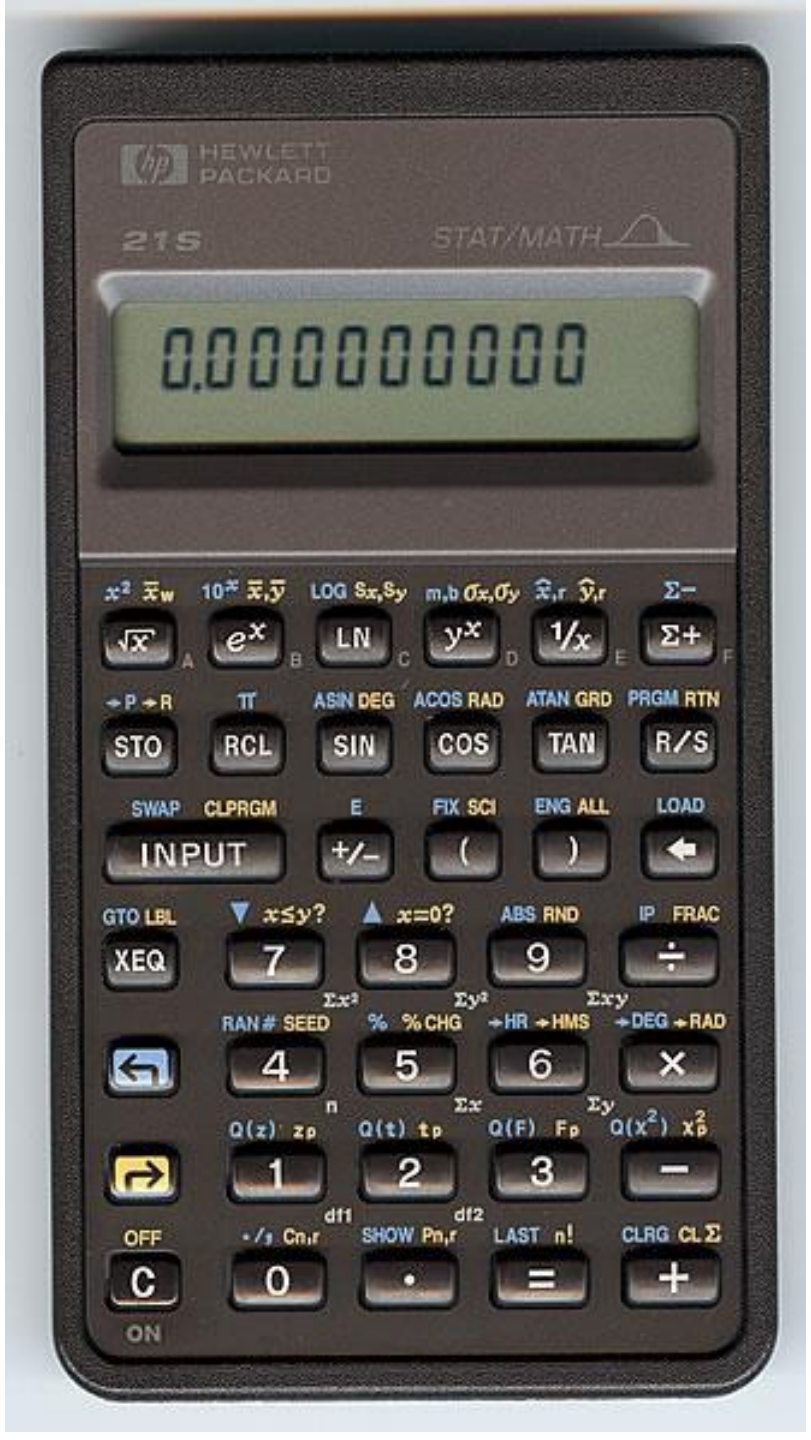
We could have another model in the Voyager Series…

Chuck McCord

What if? There was another model in the Voyager Series…

- The Goal would be to create a “new” Voyager format calculator that followed previously proven interesting function sets

- It would be likely that another Voyager model would have less volume than 12,15,16 so there would be a drive to maximize leverage of an existing model.



What if?

The function set

Multiple HP calculators extended the business calculator function set by adding Trig functions and Statistics (probability distributions)

What if? There was another model in the Voyager Series…

- The Goal would be to create a “new” Voyager format calculator that followed previously *proven interesting function* sets
  - Add Trig, Probability Distributions
- It would be likely that another Voyager model would have less volume than 12,15,16 so there would be a drive to *maximize leverage* of an existing model.
  - No electronics or display changes
  - No key changes
  - Assume
    - OK to change keyboard overlay
    - Additional Firmware will fit

So

What if? We create a Voyager form factor Financial + Scientific Calculator.

We start with 12L h/w as is…

Do not change electronics

Do not change keys

Only Change overlay & firmware

HP-12C as is

Presenting the

DM17L

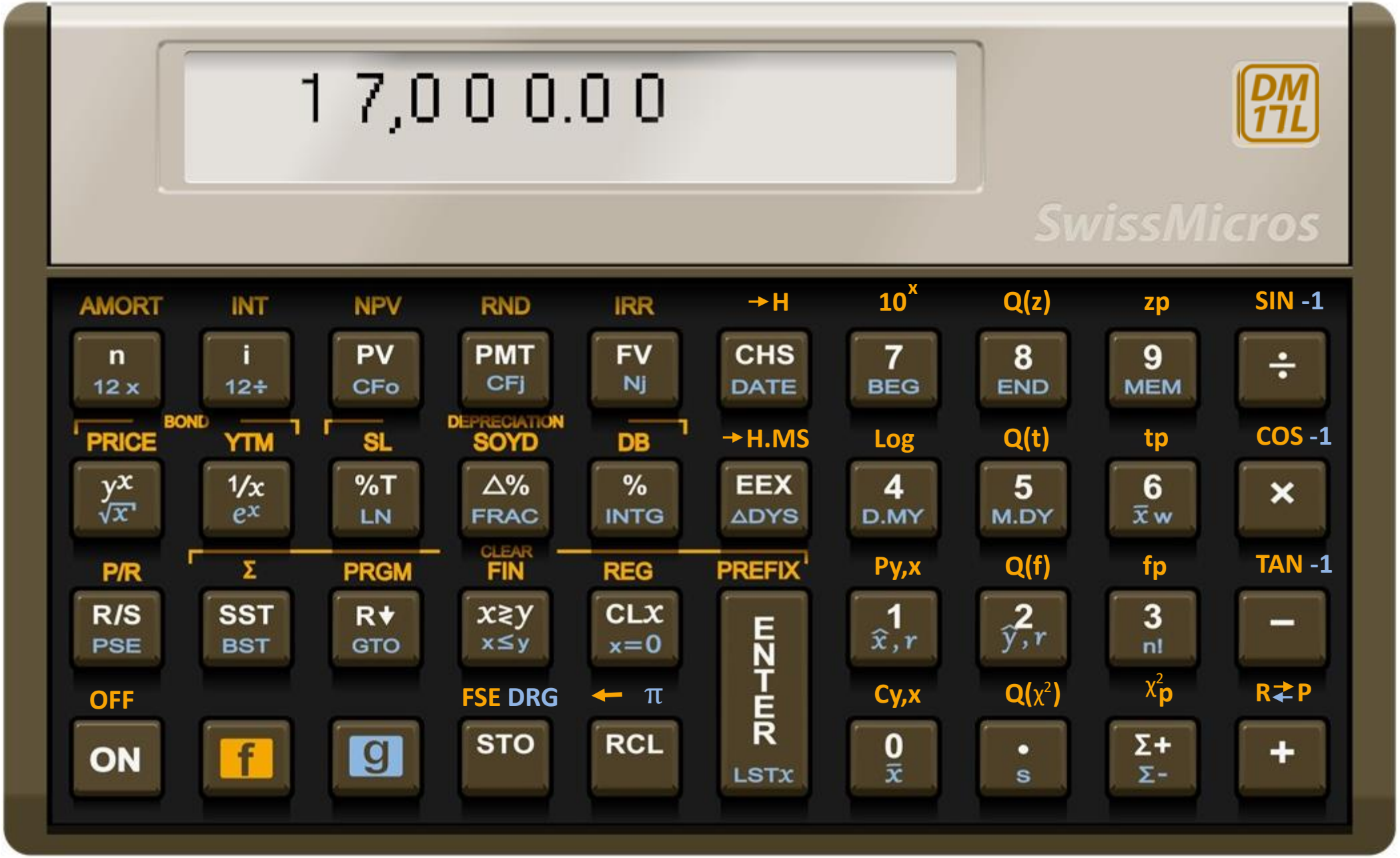
All of 12L's functions
Most of 27's functions*
+ 21s Probability dist.

All of 12 except f# replaced by Fix #.

Changes firmware, overlay *only*

Compatible with 12C/L programs

Historically standard labels
Except:
FSE - 3 way toggle (Fix/Sci/Eng) with # of digits in x
DRG - 3 way toggle (Deg/Rad/Grad)



* Except %Σ

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DM17L+

Additional Potential features with this configuration (if enough memory ☺):

Use DM12L dot matrix display to display keycap labels in program mode*

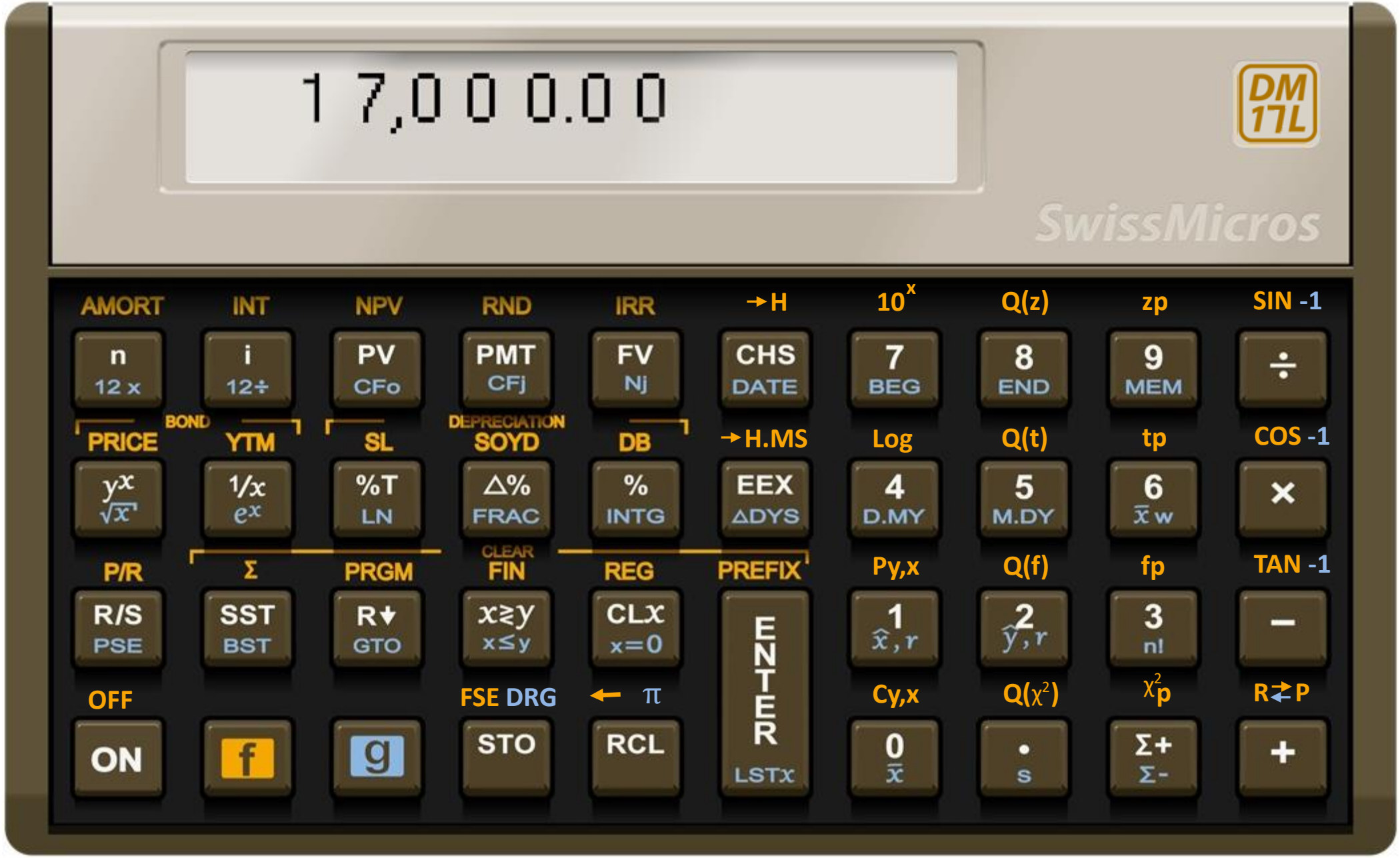
n! implements x!

Support additional Program steps

RCLΣ, RCL PRGM, RCL FIN, RCL REG- display corresponding data sequentially with labels

Use STOf[0-9], RCLf [0-9] to save, recall states (current settings, programs, registers and financial registers)*

Use STOg[0-9], RCLg[0-9] to save, recall register sets*



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* Bruce Horrocks

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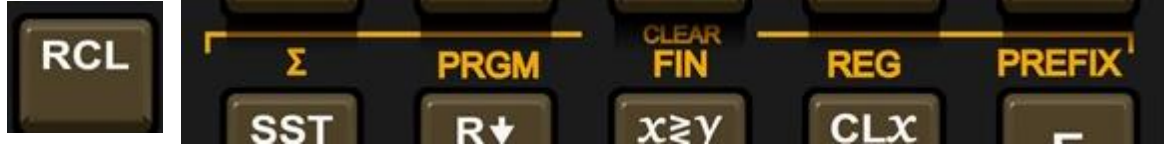

Speed up Sequential display

Slow down Sequential display

Start/Stop (Pause) Sequential display

Interrupt Sequential display

n =	P MT =	∑ n =	∑ y =
d d d d d d d d d d	d d d d d d d d d d	d d d d d d d d d d	d d d d d d d d d d
i =	F V =	∑ x =	∑ y ² =
d d d d d d d d d d	d d d d d d d d d d	d d d d d d d d d d	d d d d d d d d d d
P V =		∑ x ² =	∑ x y =
d d d d d d d d d d		d d d d d d d d d d	d d d d d d d d d d

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r 0= CF00

ddddddddddd

r 1= CF01

ddddddddddd

r 2= CF02

ddddddddddd

r 3= CF03

ddddddddddd

r 4= CF04

ddddddddddd

r 5= CF05

ddddddddddd

r 6= CF06

ddddddddddd

r 7= CF07

ddddddddddd

r 8= CF08

ddddddddddd

r 9= CF09

ddddddddddd

r . 0= CF10

ddddddddddd

r . 1= CF11

ddddddddddd

r . 2= CF12

ddddddddddd

r . 3= CF13

ddddddddddd

r . 4= CF14

ddddddddddd

r . 5= CF15

ddddddddddd

r . 6= CF16

ddddddddddd

r . 7= CF17

ddddddddddd

r . 8= CF18

ddddddddddd

r . 9= CF19

ddddddddddd

FV= CF20

ddddddddddd

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x =	t =
ddddddddddd	ddddddddddd
y =	Last X=
ddddddddddd	ddddddddddd
z =	
ddddddddddd	

00 Sto+00	06 Rcl 01
01 R↓	07 Rcl 02
02 Sto+01	08 +
03 R↓	09 +
04 Sto+02	10 R/S
05 Rcl 00	

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An Alternate 12C+

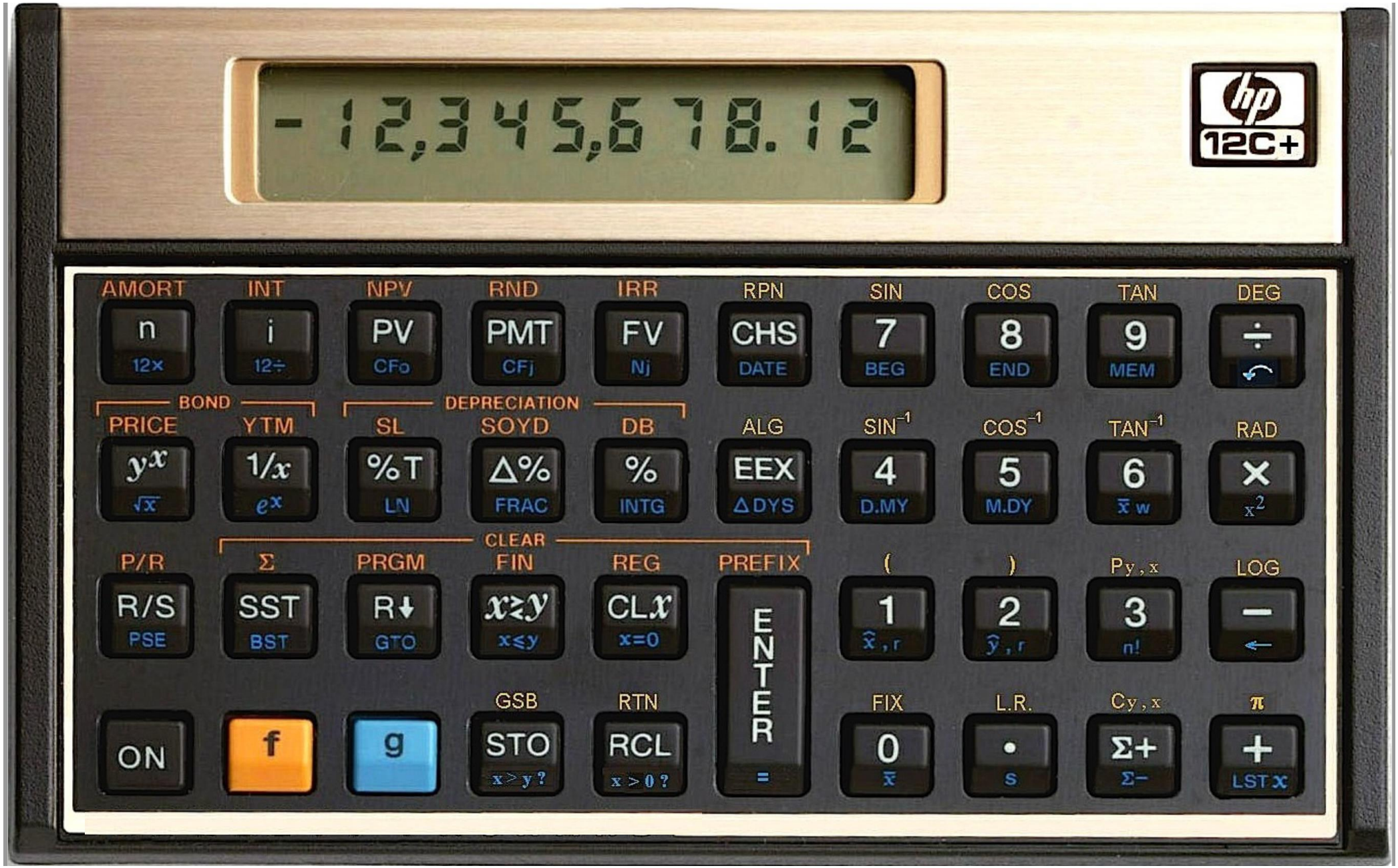
Thinking about extending the 12C is not new…
This was presented to HP management in 2006*

All of Platinum 12C except f# replaced by Fix #.

Most keys same except STO, RCL which have added blue shift.

Adds Trig,π,DEG,RAD (no R<>P)
Adds Perm, Comb, Log

Adds 4 programming functions: GSB,RTN, X>Y?, X>0?



* Thank you Gene Wright for this history

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Presenting the

HP-17

All of 12C's functions
Most of 27's functions*
+ 21s Probability dist.

Changes firmware, overlay *only*
All of Platinum 12C except f# replaced by Fix #.

Compatible with 12C/L programs

Historically standard labels
Except:
FSE - 3 way toggle (Fix/Sci/Eng) with # of digits in x
DRG - 3 way toggle (Deg/Rad/Grad)

* Except %Σ

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Presenting the Platinum HP-17

All of 12C's functions
Most of 27's functions*
+ 21s Probability dist.
+ Alg mode

Changes:
firmware, overlay *only*

Compatible with 12C/L programs except f#

Historically standard labels
Except:
FSE - 3 way toggle (Fix/Sci/Eng) with # of digits in x
DRG - 3 way toggle (Deg/Rad/Grad)

* Except %Σ

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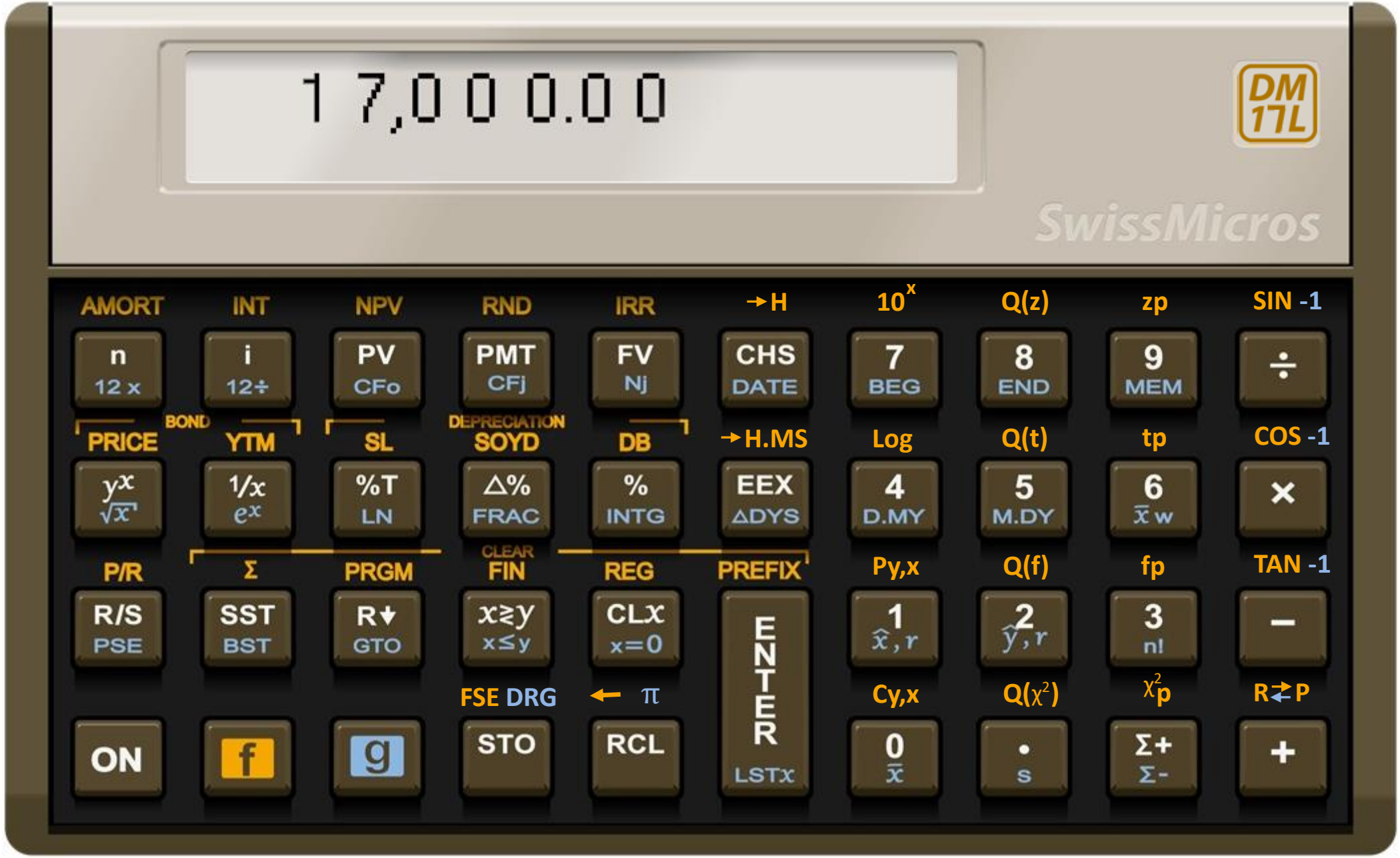
"When can I order one?

☺

Thank You!



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We could also dream of a

DM34L

An even less likely What if?

Key Arrangement maximizes 34 similarity
What to do with extra 2 keys?

Shifts on bottom next to Exit

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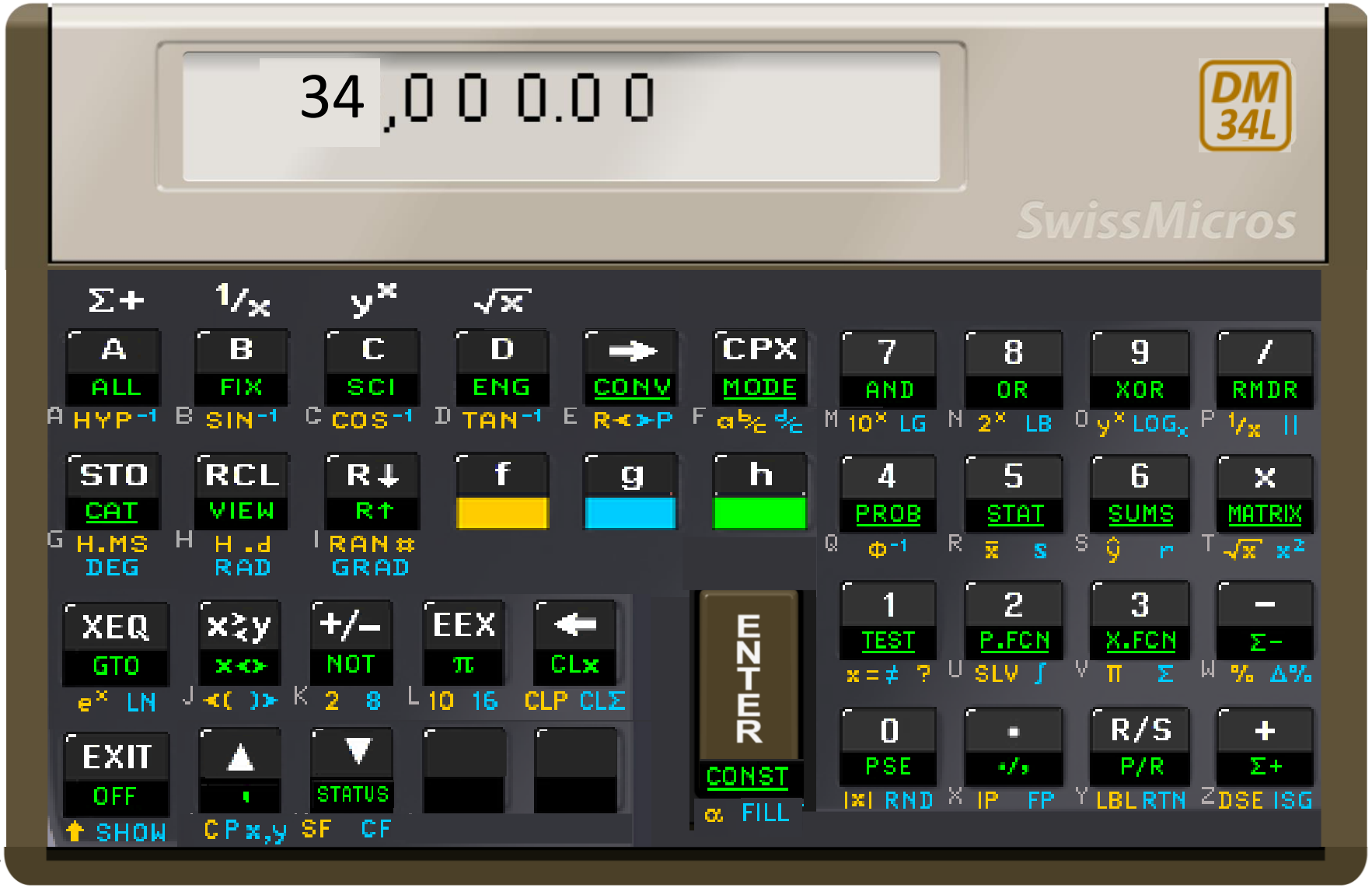
We could also dream of a

DM34L

An even less likely What if?

Key Arrangement maximizes 34 similarity
What to do with extra 2 keys?



Alt: central shifts Central

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