(\*) version of MM

· Formy our ZFC+ LC mills on ZF+AD mills

· Mator Marine ++:

If IP is a showing ord printing borry, and  $g = gD_i: i < \omega_i g$  is a collection of distriction sets, and  $g = i : i < \omega_i g$  is a collection of news for shift

ship of  $\omega_i$ , be  $1 \neq i \neq i \neq i$  is ship.

The  $g \in V$  and

5, 5; = 0, Vich, 7, 3 = {3: 3peg plt & ct; } n showing, Vich.

Exercm.

MM dd is equalled to:

for all IP soft pet prexing.

for all nells  $m = (M, \overline{R})$ and for all  $Z_1$  formlar at and  $N_1$  - my

and for all  $Z_1$  formlar at and  $N_1$  - my

and  $N_2$  - formlar at and  $N_3$  - my

and  $N_4$  - my

 $M = \lambda_{\epsilon, NSL_{\epsilon}}$ ,  $\lambda_{\epsilon} = \lambda_{\epsilon} + \lambda_{\epsilon}$ 

lifes familier a stegtherny of MM++.

Det. Let & he = 2, Samb M Zinisa.

O Let m ha roll a chou!

Say that of (m) is housely constant if for all unes. My Ben Luctors F: I trasidue note!

A Me V C.1(w, tc(8m31)) At Incl +1 F-closed and s.t.

A MF ZFC + \$ (A)

tc({2m3) ⊆ A

NSm = NSm, ~V

. MM\*,++: MM++ egralet / \$(m) harsty constent replay "V" = \$(m)" · MMX : [m] = 1

~ all him sids on if in & 1.

, T- MM\*, ++

7850

For all AGT, hall nelling

LE. Hism, A

and the de or time

My 2 2 proces

· MMit => MM++(1) M MM++ restricted to IPI = 1

· Dec : (T) MM (\*),++ = (T-) MM (\*),++

There (NSa, saturded + V n cloud who x >> M# (2))

1) P(R)~L(R) - RMM+++

2) (\*) (= Woodr) Prox 200)