MANDENNUTION INCREASES by to WITH EACH

V= Ψ(0) + Ψ(1) + Ψ(2) + 000
= (0) + [PoV()] + BYO() + (PoV()) - D+ Brauketings]+...

Um = (POVO) = BYOUKETINGS

where this term is always boing to contain the highest excitation level.

Now if we want to find the term of (for) " I that has the highest excitation level it will be the one with all creation operators:

e aun of these contributes the se exuitation 10 years 2 miles 10 years 2 miles 2 miles

SO IF WE'VE VONSIDERING FROM BY FROM M -> mtl.
The exuitation levels will go From

 $2m \rightarrow 2(m+1) = 2m+2$ (Novedises By 2