ALL EXPROIN WHY THE MAX EXUITATION LEVEL OF THE MOVE FUNCTION INCREASES by 12 WITH EACH OFDOR-IN DEFTURBATION THOOFY.

A= A(0) + A(1) + A(5) + 000 = Vot + [PoVot + BYOUFETINGS]+ [POVO] It Brauketings]+.

Wim = (FONO) = + BLUOKELINDS

where this term is always boing to vontain the highest exultation level.

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

=> excitation | e gun of the moly hese jontributes the sexultation these CONTributes exvitation 10/10/ 2

SO IF WE'VE VONSIDERING FOING From m -> mtl. the exuitation levels will go From

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