Sont Deformation theory - Frégies - quantization: P >> P: 24 1-> -it = 2 7

2 - quantization: 2 >> X: 7+> x4 -> f \* t g:= (f o g) " Then (Mayarl-Grönwald)

\* + B, (-, -) to + Bz(-, -) to 2... ht = portp. -[a, b]: == = = [ m; (a, b) - m; (b) a) Prop. [a,6]1 15 Poisson. -converse: given (., {3), 3? pt - mathematical structures can similarly be deformed -> but modulo isomorphisms -e.g., GL(V)GL(V⊗V,V)

 $(q > \mu) (a,6) := q(\mu(g(a,g(6)))$ 

thin Ty Ass = HHoch