clepse -QM do ware fination (1) (4) Il ther is O opens  $\bigcirc (4) = >_{\psi}(\psi)$ => Sdr. cq. Date du >4 No College mear at Pola Solar  $\mathcal{A}_{\mathbf{S}}$ ( ) ( ) ~ ~ Why does if lake like the waveforthe allepses.

Whene do posallés come form?

-) Mindist QM cludy agrees w/OQM when not "obsoning" Wish hole.

O-QM d'. L'it use 3 the. -) M-QM when necky w/x Massants Not special, am:al H = He + Ho+ HI ("Rady") - (0) alons grand dete HI - horily complicated. High-had behaver 5. mple! 1"R"> lise — I" |" > lise to Ly Whole jb L esported Physics is to true HI by get the exist!

Nead to contrat al 14) Date non 200 den ("1"), ou ("2")  $\left| \frac{1}{4} \right| = \frac{1}{52} \left| \frac{1}{1} \right| \left| \frac{1}{1} \right|$ ("1"1"2") ~ e ) (912)  $\langle "2" | \langle y | (14) \rangle = \frac{1}{52} \langle "2" | "7" \rangle \langle y | 1 \rangle$ + ( ( 2 1 1 ( 2 ° ) < 9 1 2 )

J2

7 M-QM Pedicts ès ((g)1)12 de détader ((,11 cs | (91251<sup>2</sup> 11 11 11 21) No desence.

Dolle St. in gend

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Now

$$|\mathcal{A}| = |(\mathcal{R}')| |\mathcal{A}| = |(\mathcal{R}')| \frac{1}{2} (|(\mathcal{L}')| + |(\mathcal{R}')| |\mathcal{A}|)$$

$$= \frac{1}{2} (|(\mathcal{R}')| + |(\mathcal{R}')| |\mathcal{A}|)$$

t. -> ton (Seh ex)

$$|7| = \frac{1}{52} \left( a|''| |1| + 5|''| |2''| |1| + c|''| |1| + c|''$$

(t) (t)

O-QM Prodictor Now 3 of comes  $\langle "|"|\langle y| y\rangle = \frac{1}{5z} (a \langle y|) + b \langle y|^2)$ of and bro No intermed a ~ b => "Bud datel-" get italerere 

Alongs get istalia. I Détactor donst go et :

$$|Y\rangle = \frac{1}{2} \left( |"|^{\alpha} \rangle | (> + |"|^{\alpha} \rangle | (2) \right)$$

$$|Y| = \int_{2}^{\omega} \left( |"|^{q} \right) ||S| + |"|^{2} ||S|$$

$$A = \int_{2}^{\omega} \left( |"|^{q} \right) ||S| + ||"|^{2} ||S|$$

$$|Y| = \int_{2}^{\omega} \left( |"|^{q} \right) ||S| + ||"|^{2} ||S|$$

Why does it look lake the unetrain You are a genten reched system 145 = 145/145/146 = (2) ("R") (4)e  $=\frac{1}{\sqrt{2}}\left(\left|\frac{1}{\sqrt{2}}\right| + \left|\frac{1}{\sqrt{2}}\right| + \left|\frac{1}{\sqrt$ Both people "Sa" of alleger, one to 11)

Las lie 4 allapses because gos are
put La He System Note also  $=\frac{1}{\sqrt{2}}\left(\left|\frac{1}{\sqrt{2}}\right|^{2}\right)\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right|^{2}\left|\frac{1}{\sqrt{2}}\right$ "Yn" tengile e

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