measure 10> in basis 1+X+1, 1-X-1 Perolealulities of outcomes + and - respect what are post measurement slab if one oblain outcome + or -, resp.? These are also called the Measurement soln) apulate  $M_{+} = 1 + X + 1 = \frac{1}{2} (10) + (11) ((0) + (1))$  $= |-X-1| = \frac{1}{2} (10) - (11)) ((01 - (11))$  $|0\rangle = |(1+)+|-\rangle$ Since The probabilité of out come 1+7 and 1-7 both

2017

AUGUST THURSDAY

& After the measurement, the wonefunction

If one obtains the outcome +, the final

8 late 18 14) = 1 (10) + 11)

Hone obtains the outcome -, the final date

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