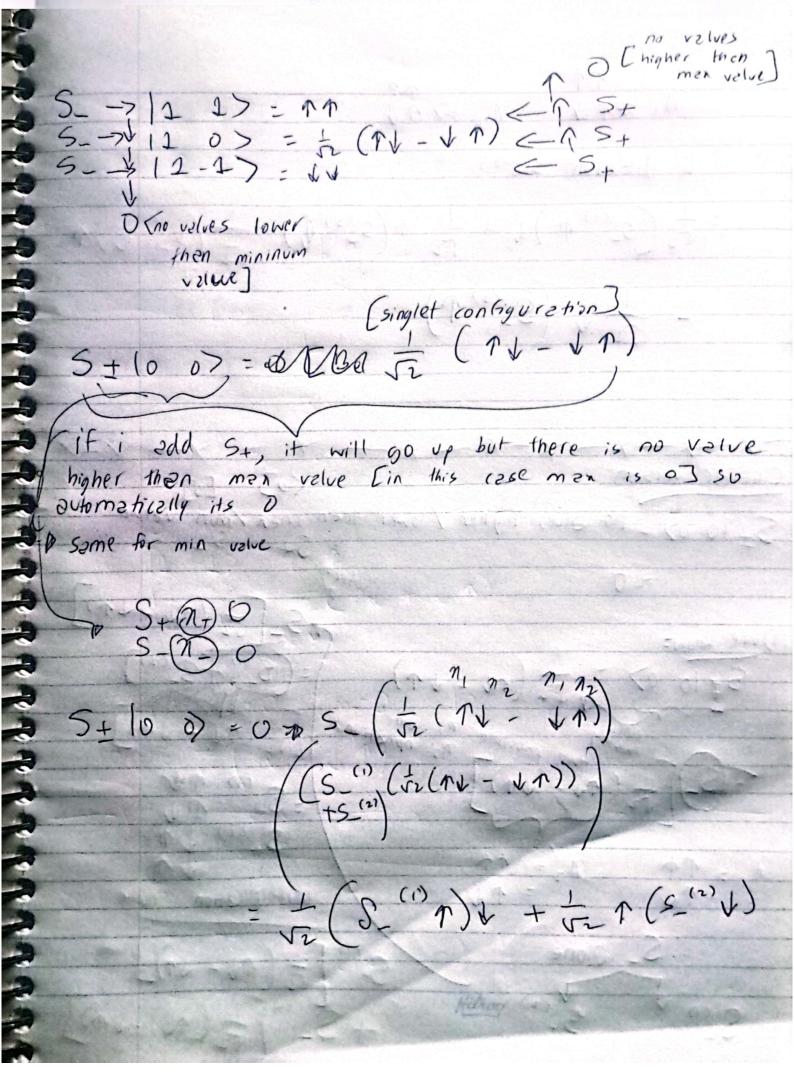
problem exemple S\_ |5 m> = S\_ | 1 0> S=1 [spin value]
m=0 [quantum value] S\_= + (s(s+1)-m(m-1) | s m-1) S-15 m> = to (1(1+1) -0(0-1) 11 -1) = to N(2)-0 |1 -1> = to 52 VV 1) See the question : S-12 0> 2) derive the question in core equation -S\_1s\_m>
3) Know the equation of S\_: TN s(s+12-m(m-1) | s m> 4) Do the derivative



か、カイヤ カンライル 4 different states = = (s=0 1) + + = n(s=01) -1 deener version 5 ± 10 0> = no values higher / lower than max/min -0 1) WE KNOWnotation) multiplication 立(かールか) : S\_ elone

4

ignore the duplicate states 5 n) + + 1 (5 (2) () 1 (5 (2) ) 1 - 1/2 (S (2) 1) あた(らいか) サナた(らい) 一た(らいか) 一た(らいか) = デャタケー 年まれ Hillroy