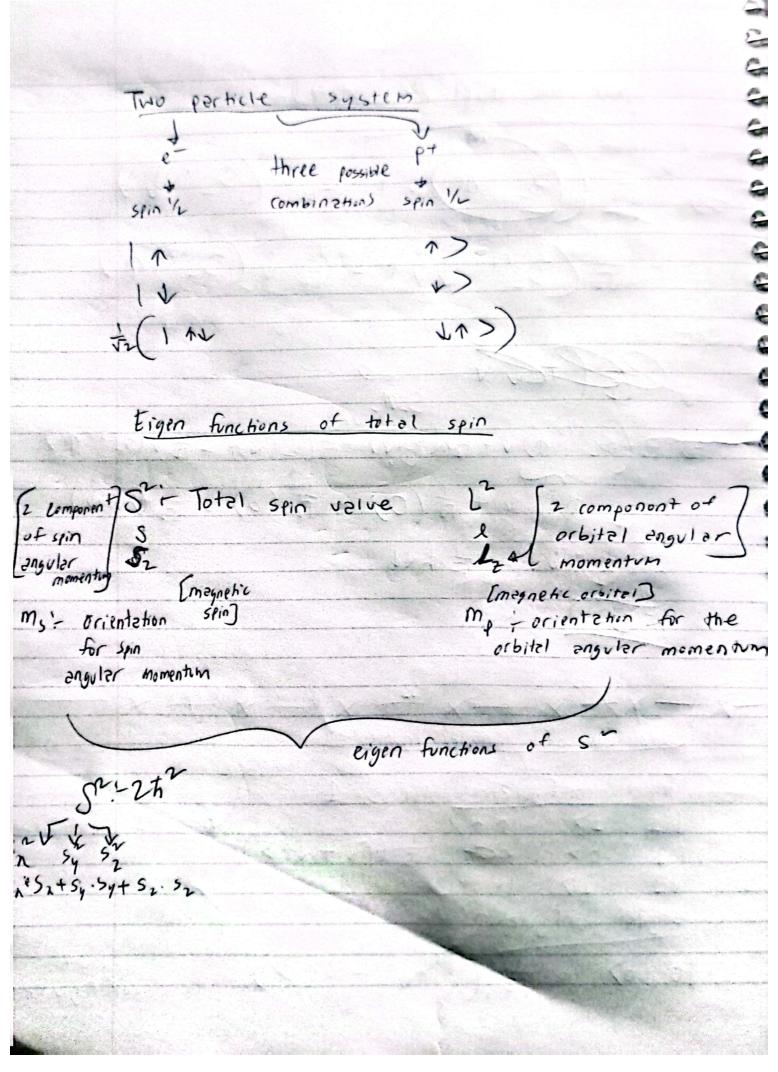
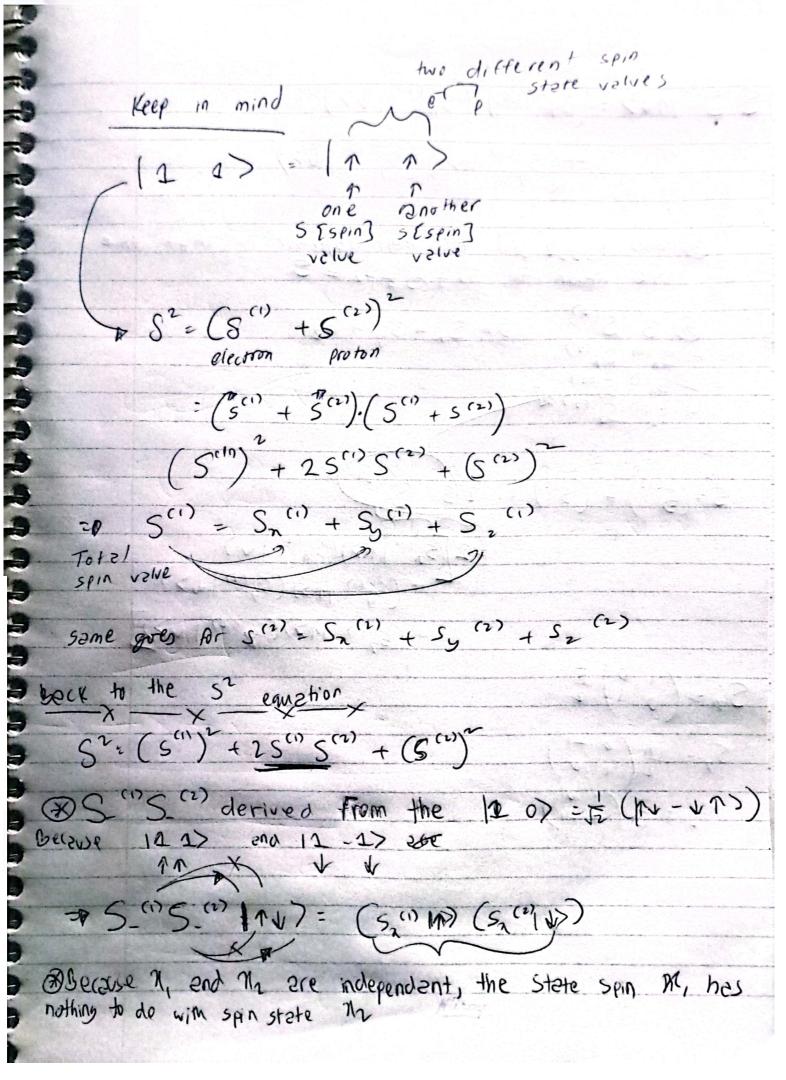
Addition of angular momenta riplet configurations for s= 1 in triplet 1> = | 1 +> -17 -14 47 元 (か4+4か) singlet configuration 10 0) = 52 (114 - 47) 5=0 : singlet con figure his





50500 /143 = (500 14) (5000 147) + (Sy (1) (N) (Sy (2) (V)) -@ 27is 1,4,2 and the mein objective is C that for Sx+ sy+ sz = S 6 5= Sx + Sy + Sz -+ 5,00 S,00) -+5,00 5,00) # --5-(500) + (500) + 0 0 =2[(Sn(1) 1 N) (Sn(1) 14) + (Sy(1) 17) (Sy(1) (4) 0 66 + (5,00 107) (5,000 147)] 5n=(01) \$ 4444444444 Sy= it (0 -1) 52: 2(0-1)