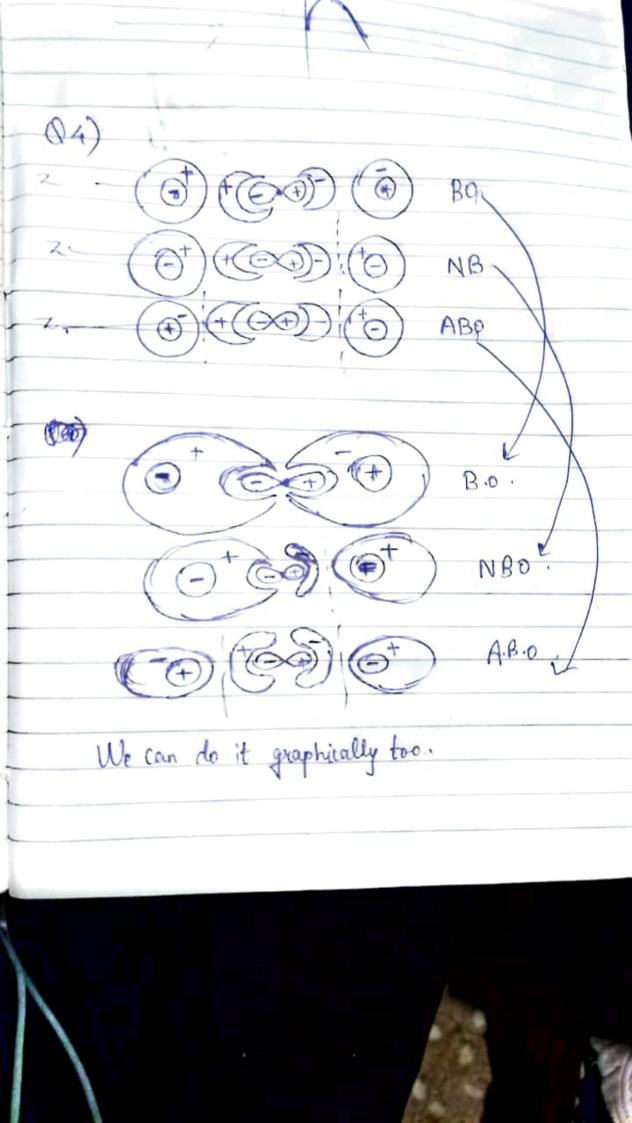


6 assume to be o' H = - \frac{1}{2m} \Bar \frac{1}{a} \darksquare \frac{ + (-Qe2) { E 1 } + (-Qe2) { E 1 } + (Qe2) 1 ? + Qe2 33 Constant Not a const = H, + H2 + Qe2 (1) + Qe2 (3) H, = - th Vie - Qe2 (0,b,c Via H2 - - 12 72 De { 5 1 Trowes energy is Thousand (Ht)

Thou Tometerms like with

b) Since I in prev part is Symmetric wort exchange operator 1. Y with spin = c2 (4a+4b+4c) (4a+4b+4c) (1a+2b+4c) (12x(1)8(2)-1a(2)8(1) in ground state only I bonding will be occupied by ze spin part Write this in Single Stater determinant form



Lite and 1 Dithout S-p Mixing -