



3. (a) u, δ {< a / A + C2 / B | Ĥ | a / A + C2 / B > - λ (a / A + C2 / B | a / A + C2 / B > - 1) } = 0 · · < YA H (< 4 141 1 > - > < 4 1 0 1 >) 5ct = 0 (< 48 14 147 - > < 43 1 7 >) 563 20 > <44 (HIY>->14>) = 0 (48/1 A/11/2) =0 : , CI & HAA + CI + BA - > CI - > CI SBA = > 1 C2 HBB + CT HAB - 7 CB - 7 CA SAB = 0 :, (HAA-E)C/+ (HBA-ESBA)C2 : 0 (HBB-E) C+ (HAM- ESAB) G1 :0. $E = \frac{1}{\langle \Psi | \Psi \rangle} \left(|C_A|^2 + |C_B|^2 + |C_B|^2 + |C_A|^2 + |C_B|^2 + |$ = HAARCH CTHAAR LEAT + LCBI + CACB SAM + OBER SRI) + 02 HBA (1997 + 1901 + 07 CA SAB + COLOS PRO) - CA (1 Cal HAA + 1 CB1 2 HBB + CA CA HAB+ CBEA MBA) - 9 SAA ([CA] EHAA + [CA] EHAD+ (A (AHAD+ CB) (AHAD) => (EDBB(1CAT+CBGABA) (C= HBB+C+HAB) CFCICAI2 HAA. + CECAHBA) + G+SAB (LGiTHAN + CFCAHAA)