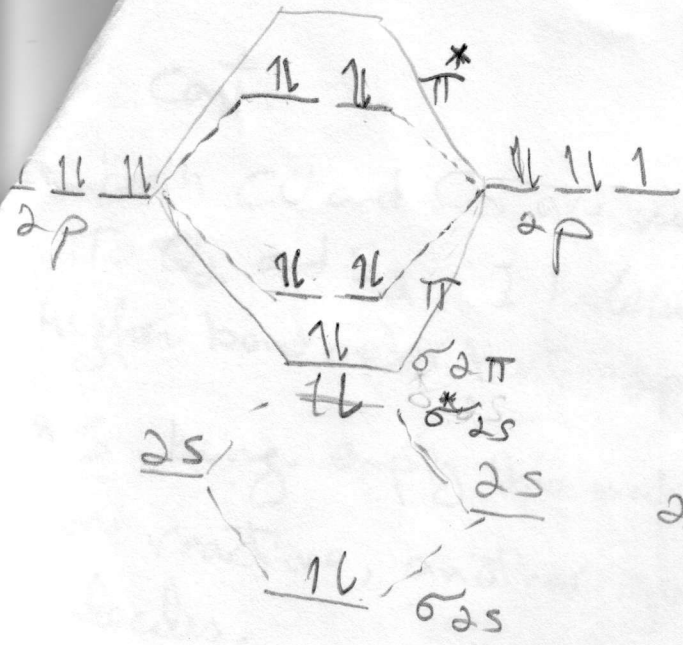


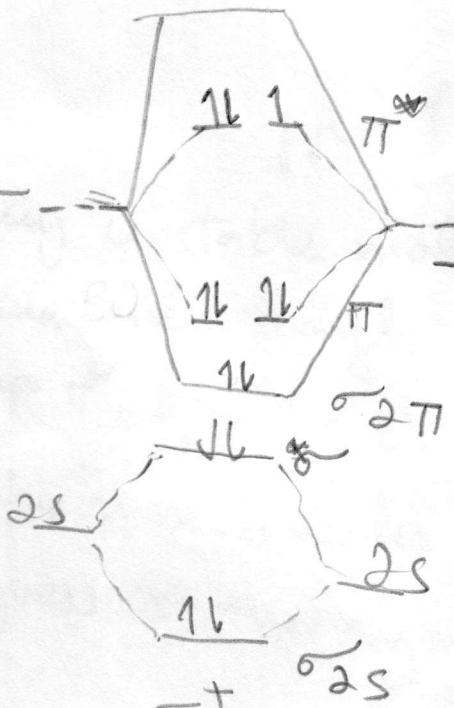
Nader



F_2

$$BO = \frac{8 - 6}{2} = \frac{2}{2} = 1$$

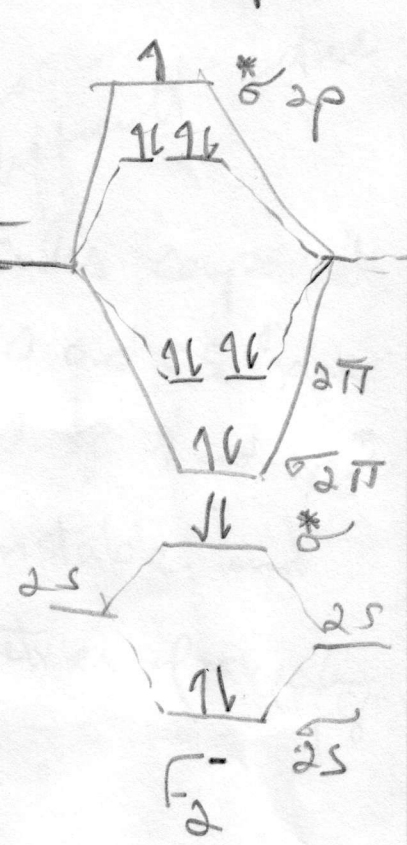
no unpaired electrons



F_2^+

$$BO = \frac{8 - 5}{2} = \frac{3}{2} = 1\frac{1}{2}$$

1 unpaired e



F_2^-

$$BO = \frac{8 - 7}{2} = \frac{1}{2}$$

1 unpaired e

bond length in order

$$F_2^+ > F_2 > F_2^-$$

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