```
Infolia ClearAll["Global`*"]
      f[a, b] = (a * b) / (a + b);
       grad = D[f[a, b], {{a, b}}];
       agrad = Abs[grad];
      errorAB = {da, db};
      errorF = Simplify[agrad.errorAB]
      a = 85;
      da = 1:
      b = 196;
      db = 2;
      F = f[a, b]
      N[%]
      {F - errorF, F + errorF}
      N[%]
Out[\sigma]= db Abs \left[\frac{a^2}{(a+b)^2}\right] + da Abs \left[\frac{b^2}{(a+b)^2}\right]
Out[*]= \frac{16660}{281}
Outf = 1= 59.2883
Out[*]= \left\{ \frac{4628594}{78961}, \frac{4734326}{78961} \right\}
Out[*]= {58.6187, 59.9578}
```