```
ln[184] = f[x_, y_] := 5y - x^3;
       g[x_{-}, y_{-}] := 5x + 3y^{3};
      \omega = 5;
        (D[f[x, y], x, x, x] + D[f[x, y], x, y, y] + D[g[x, y], x, x, y] + D[g[x, y], y, y, y] +
            1/\omega * (D[f[x, y], x, y] * (D[f[x, y], x, x] + D[f[x, y], y, y]) -
               D[g[x, y], x, y] * (D[g[x, y], x, x] + D[g[x, y], y, y]) -
               D[f[x, y], x, x] * D[g[x, y], x, x] + D[f[x, y], y, y] * D[g[x, y], y, y]) / 16
      f[x_{y_{1}}] := \mu x + y - x^{2};
       g[x_{-}, y_{-}] := -x + \mu y + 2x^{2};
      \omega = -1;
        (D[f[x, y], x, x, x] + D[f[x, y], x, y, y] + D[g[x, y], x, x, y] + D[g[x, y], y, y, y] +
            1/\omega * (D[f[x, y], x, y] * (D[f[x, y], x, x] + D[f[x, y], y, y]) -
               D[g[x, y], x, y] * (D[g[x, y], x, x] + D[g[x, y], y, y]) -
               D[f[x, y], x, x] * D[g[x, y], x, x] + D[f[x, y], y, y] * D[g[x, y], y, y]) / 16
Out[187]= \frac{3}{4}
Out[191]= -\frac{1}{2}
```