Maxima Chunk Test Document

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$$\begin{split} f(x) &:= x^2 + exp(x^2) \\ f(2) &= e^4 + 4 \\ \left(\frac{\frac{1}{\beta + \alpha} - \frac{\alpha}{(\beta + \alpha)^2}}{-\frac{1}{2(\beta + \alpha)^{\frac{3}{2}}}} - \frac{\alpha}{\frac{1}{2(\beta + \alpha)^{\frac{3}{2}}}} \right) \\ J &= -\frac{\frac{1}{\beta + \alpha} - \frac{\alpha}{(\beta + \alpha)^2}}{2(\beta + \alpha)^{\frac{3}{2}}} - \frac{\alpha}{2(\beta + \alpha)^{\frac{7}{2}}} \end{split}$$

which can be simplified to

factor(%);