

Tour1

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1+1

2

1 + 1.0

2.0000000000000000

Of 100 graduating students, how many ways are there for 60 to be employed in a job related to their field of study, 30 to be employed in a job unrelated to their field of study, and 10 unemployed?

`factorial(100)/(factorial(60)*factorial(30)*factorial(10))`

11652140094042840181048771286026412160

`f(x) = exp(4*x)/(1+exp(4*x))`
`derivative(f(x),x,3) # Derivative with respect to x, 3 times`

[evaluate](#)

$$64 \frac{e^{(4x)}}{(e^{(4x)}+1)} - 448 \frac{e^{(8x)}}{(e^{(4x)}+1)^2} + 768 \frac{e^{(12x)}}{(e^{(4x)}+1)^3} - 384 \frac{e^{(16x)}}{(e^{(4x)}+1)^4}$$