[ARTEM DUDKO] - [HW #1] - [1/27/2020]

[PROBLEM #39]

```
format compact, clear, clc, close all

n = 19;
nfactorialGosper = sqrt((2*n + 1/3)*pi)*(n^n)*exp(-n)
nfactorialTrue = factorial(n)
error = (nfactorialTrue - nfactorialGosper) / nfactorialTrue

nfactorialGosper =
      1.21642823201649e+17
nfactorialTrue =
      1.21645100408832e+17
error =
      1.87200896319755e-05
```

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