What Jupyter brings to GAP  
Alexander Konovalov (USTAN)  
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Pre-Jupyter approaches to visualisation in GAP:  
- emulating graphics in the terminal  
- XGAP (Linux only)  
- external tools to produce graphics (non-interactive, hard to run on Windows)
Welcome to GAP Jupyter notebooks!

This repository contains a collection of examples of using GAP in Jupyter. Notebooks requiring GAP 4.10.2 release:

- An example with finitely presented groups
- Semigroups package in GAP
- The number of numerical semigroups with given genus
- The state of GAP packages ecosystem
- Using GAP effectively: a lecture on some tips and pitfalls

First we construct the group $G = \text{SO}(3, 17^2)$ of order 24137280.

In [3]: G.<g1,g2>:=SO(3,17^2);
Size(G);
Out[3]: 24137280

Out[2]: 800(0,3,289)