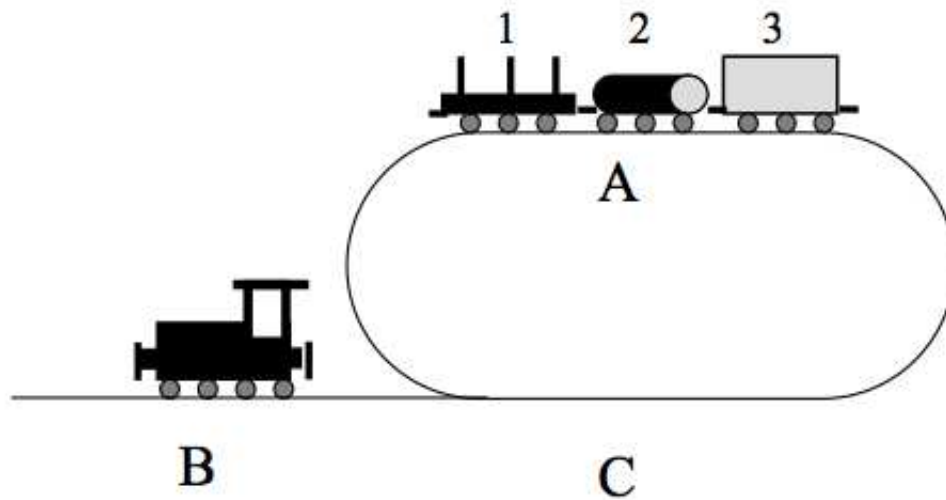**Exercise**: A Shunting-Problem

On the railtrack A there are three wagons that are denoted as wagon 1, 2, and 3. The locomotive is on the railtrack B. The goal is to park the wagons in the order 3, 1, 2 on the railtrack C. Furthermore, the locomotive has to return to railtrack B. The locomotive is able to push or pull any number of wagons. The locomotive can push and pull wagons simultaneously.

   Implement a SETL program to solve this problem. In order to do so, the procedure `reachable()` that has been used so far has to be exchanged for an implementation that is more efficient. A suitable implementation is provided on my website.