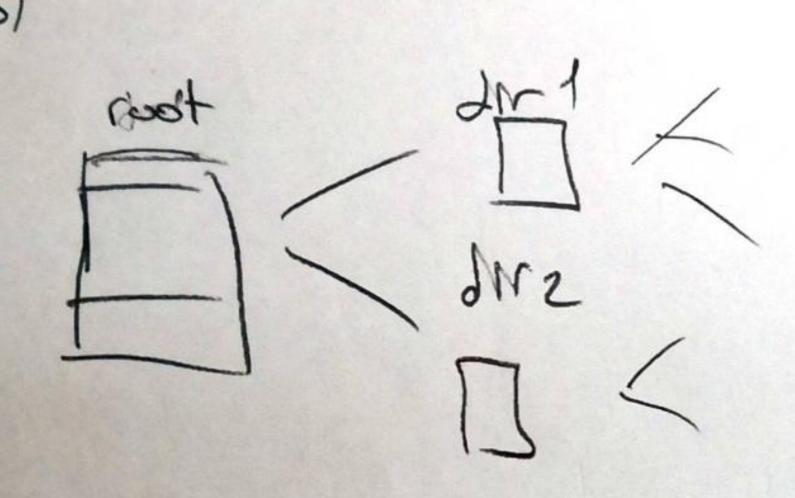
a) In windows systems we have it called create process. In linux, fork is designed to copy all the resources its mother process has. In windows and also in given question there is no mother—child redulanship between processes needed so instead of copying all registers, heap, stack etc. I would new program using execute rewally created process.



c) LRU is officient but requires special hordware to implement aging and counters. The more efficient version of it is LFU (Least frequently Used). It uses R bit and a field to hold frequency. It page it reflerced 2 bit is set to 1, in every page operation set R bits value, R bit right, the left most bit is LRU's requirement for special hordware makes it expensive.

