



Let's consider the purchase of a computer. If you are buying a computer, then accessories are necessarily included, but if you are buying accessories, you don't necessarily have to buy a computer with them. This behavior gives a "total" connection on the line with accessories and a "partial" connection on the line with a computer. By the way, there are several types of accessories, you can also buy the object "ACCESSORY" itself, since its connection with child objects is partial.

Let's consider a computer. Since this is a "Disjoint total specification", we can say that "computer" can be only a laptop or only a desktop computer, and we cannot use the object "computer" itself. We can also see the connection of the computer with the object of the operating system, which may be installed, and since the connection here is N to M, then several systems can be installed on one computer (for example, Linux + Windows), and one operating system can be installed on multiple computers. The same N to M connection goes for software.

Now let's consider the options that can be in the computer. If it is a laptop, then it can have only memory, but if it is not a laptop, then it can have any components. One component cannot be installed in several computers, so the connection is 1 to N. Depending on the components, software is also supported or not supported. One component can have several supported programs, as well as each software can have several components on which it works.