

Because the MRV could reduce the subtree in the backtracking so that partial allocation problems that can or cannot be solved can be found as quickly as possible.

From the scatter point plot we can see that most points in this plot are distributed in the upper left, so this means MRV algorithm is faster, the speed of finding the result and the calculation amount is less; which also means in some cases, MRV performs better than FA.

Also, there are some points that distributed below the line, this means FA performs better than MRV.

Take other examples, when using MRV, the total of comparing time > total of the time saved
so the points will under the line.



