s={"ba":0,"ca":0,"da":0,"ea":0,"fa":0,"ga":0,"ha":0,"ja":0,"cb":0,"db":0,"eb":0,"fb":0,"gb":0,"hb":0,"ib":0,"jb":0,"dc":0,"ec":0,"fc":0,"hc":0,"ic":0,"jc":0,"ed":0,"fd":0,"gd":0,"hd":0,"id":0,"jd":0,"fe":0,"ge":0,"he":0,"ie":0,"je":0,"gf":0,"hf":0,"if":0,"jf":0,"hg":0,"ig":0,"jg":0,"ih":0,"jh":0,"ji":0}

rule is to switch if found in the input

input example : bacdfehgij

goal: abcdefhgij

|  |  |  |  |
| --- | --- | --- | --- |
| **Itreration** | Working memory | Conflict set | Rules fired |
| 0 | bacdfehgij | Ba fe hg | Ba |
| 1 | abcdfehgij | Fe hg | fe |
| 2 | abcdefhgij | hg | hg |
|  | abcdefhgij | goal | goal |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |