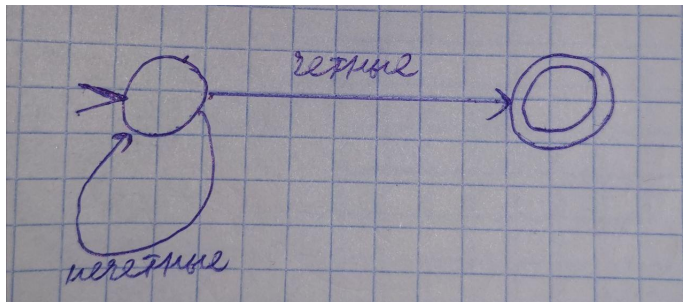
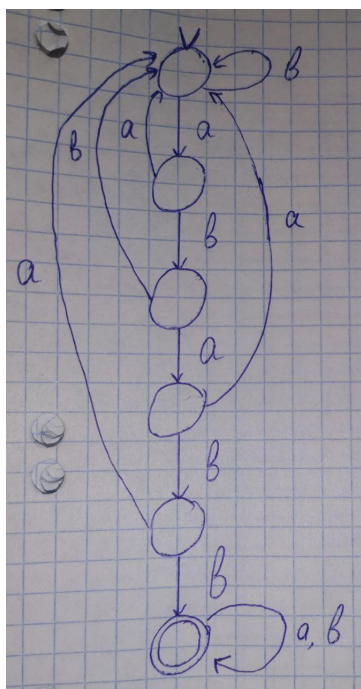


1. $L = (ab, abc), R = (d, dc)$
 $L R^r = (abd, abcd, abccd)$
 $L^r R = (bad, cbad, bacd, cbadc)$
 Получили разные мощности.



2.



3.