Hw1

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<2024-09-08 Sun>

Contents

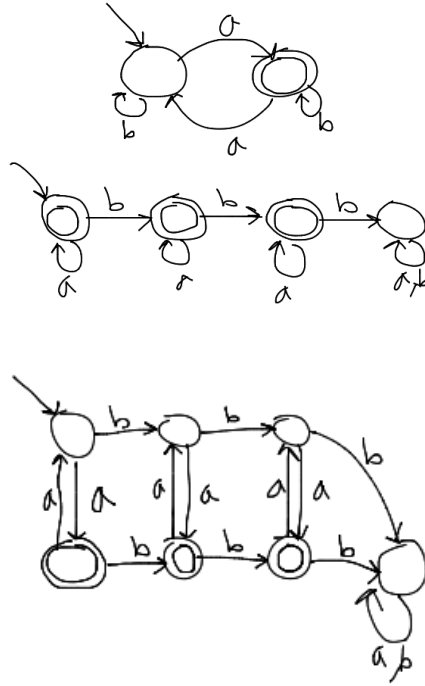# I   Problem 1

1. {w | w has at least 2 a's and at least 3 b's}
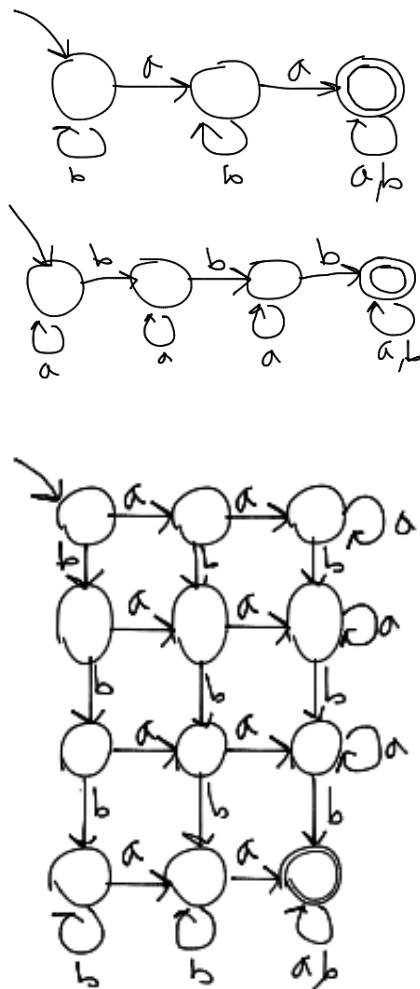
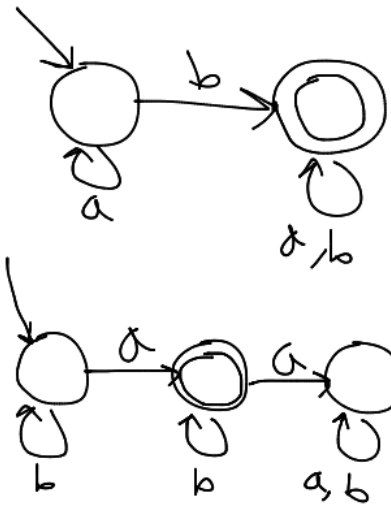

simple, then final
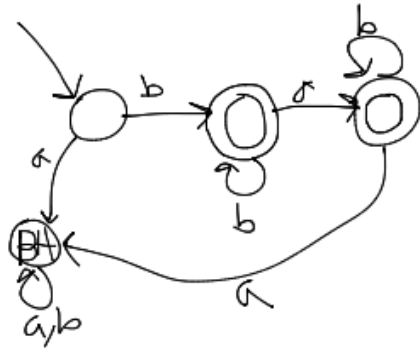
1. {w | w has an odd number of a's and no more than 2 b's}

simple, then final
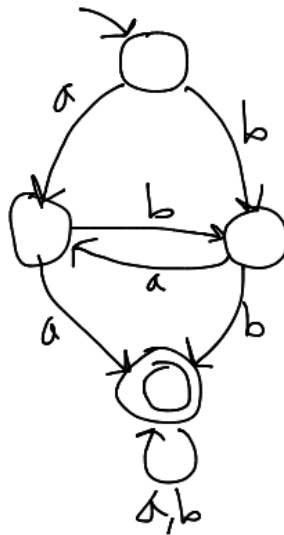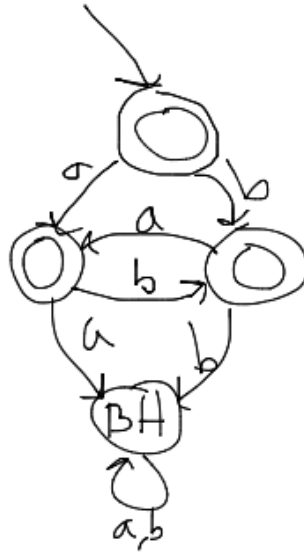
1. {w | w starts with the character b and has at most 1 a}

simple, then final

II Problem 2

1. {w | w contains neither the substring aa nor the substring bb}

3
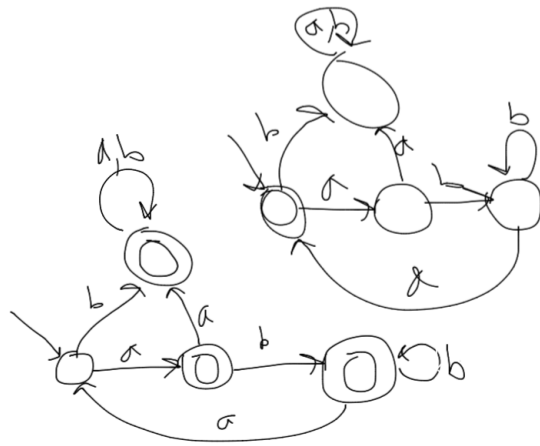
Simple first, final last

1. {w | w is any string not in b^*a^*}
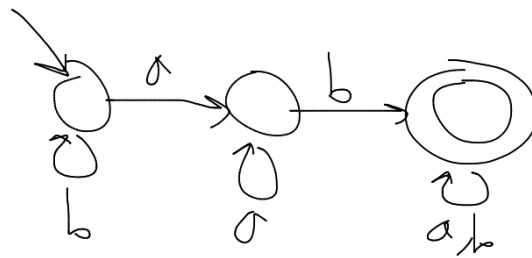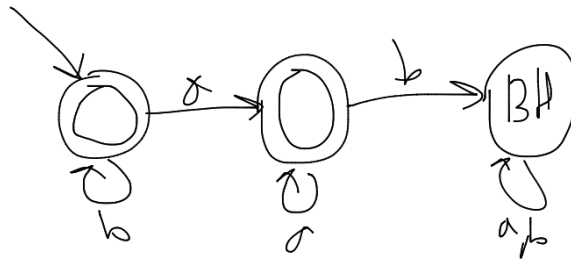
Simple top, final bottom

1. {w | w is any string not in $(ab^+a)^*$}

Simple top right, final bottom left