Seminar 4: Regular Languages

1. Describe the language of . [3 marks]

All binary words starting with a or ending with a.

1. Describe the language of . [3 marks]

All binary strings avoiding aa.

1. Design a regular expression for the language of all binary strings with **exactly two** a’s. [3 marks]

b\*a b\* ab\*

1. Design a regular expression for the language of all binary strings with **exactly one b** and **at least one** a. [4 marks]

a\*aba\* U a\*baa\*