Mark Gameng

HW 6

Part A

1. S -> a S b S c | c d S d S | b S c | e

Leftmost derivation of acdbecdebec:

S -> a S b S c S -> a S b S c

S -> a c d S d S b S c S -> c d S d S

S -> a c d b S c d S b S c S -> b S c

S -> a c d b e c d S b S c S -> e

S -> a c d b e c d e b S c S -> e

S -> a c d b e c d e b e c S -> e

1. S -> b C | b D C -> c | c C D -> D d | d

LL(1):

S -> b bTail

bTail -> c | D

C -> c Ctail

Ctail -> C |

D -> D d | d

Part B

In .hs file.