**CSC 360 In-Class Exercise Chapter-4**

1. For the following grammar, construct an equivalent grammar without *λ*-rules. Your answer must include the NULL set for the grammar.

*S → AB | BCS*

*A → aA | C B → bbB | b C → cC | λ*

1. Construct an equivalent grammar *GC* that **does not contain chain rules**. Your answer must include the sets CHAIN(S), CHAIN(A), CHAIN(B), CHAIN(C).

*S → AS | A A → aA | bB | C*

*B → bB | b*

*C → cC | B*