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CS-3513 Dr. Zhao

Optional Assignment – Barbershop Algorithm

Due 11/13/2022

Readme:

To run the program, use whichever compiler you deem best and enter the command gpp/Project3.cpp

Then ./a.out

This program will be discussed further in diagrams below.

Diagram

Description automatically generated

Diagram

Description automatically generated

As seen, A, B and C get serviced. B comes before E so B is serviced first. E leaves earlier so cannot be serviced. After C leaves, no customer is present, so the Barber goes to sleep. D arrives, the Barber gets ready. The serviced customers should be A, B, C meanwhile D,E will not get serviced.