

CENG 212

CONCEPTS OF PROGRAMMING LANGUAGES

HOMEWORK-1

Due Date: 10 APRIL 2017, 14:00

Chomp is a game played by two players. In this game, cookies are laid out on a rectangular grid. The cookie in the top left position is poisoned, as displayed in Figure 1-a. The two players take turns making moves; at each move, a player is required to eat a remaining cookie, together with all cookies to the right and/or below it (see Figure 1-b, for example). The loser is the player who has no choice but to eat poisoned cookie.

Design and implement this game in Scheme by ensuring one player is computer; the other one is user.

Figure 1-a: The top left cookie is poisoned.

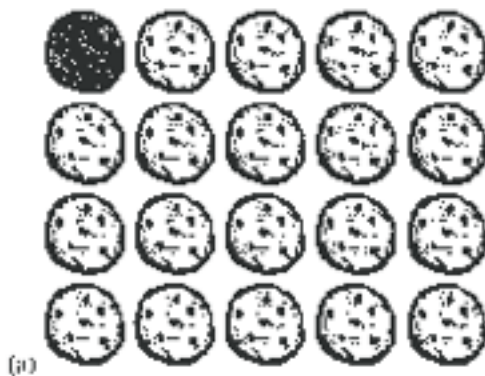


Figure 1-b: Three possible moves.

