

# Greedy Is Good

1. Different aliens use different sets of coins. Earthling coins have denominations 1, 5, 10, 25. Shmearthling coins are 4, 10, 25. The Zolgons have coins in denominations of 2, 16, and 20. The Beryllians use coins with values 3, 5, 11, 40. Gluglaxian coins have values 3, 7, 12, 24. These values are summarized in the table below.

<b>Species</b>	<b>Denominations</b>
Earthling	1, 5, 10, 25
Shmearthling	4, 10, 25
Zolgon	2, 16, 20
Beryllian	3, 5, 11, 40
Gluglaxian	3, 7, 12, 24

For each planet, decide if it's possible to make change, and if so the fewest number of coins required, for the following amounts of money:

(a) 14?

(b) 50?

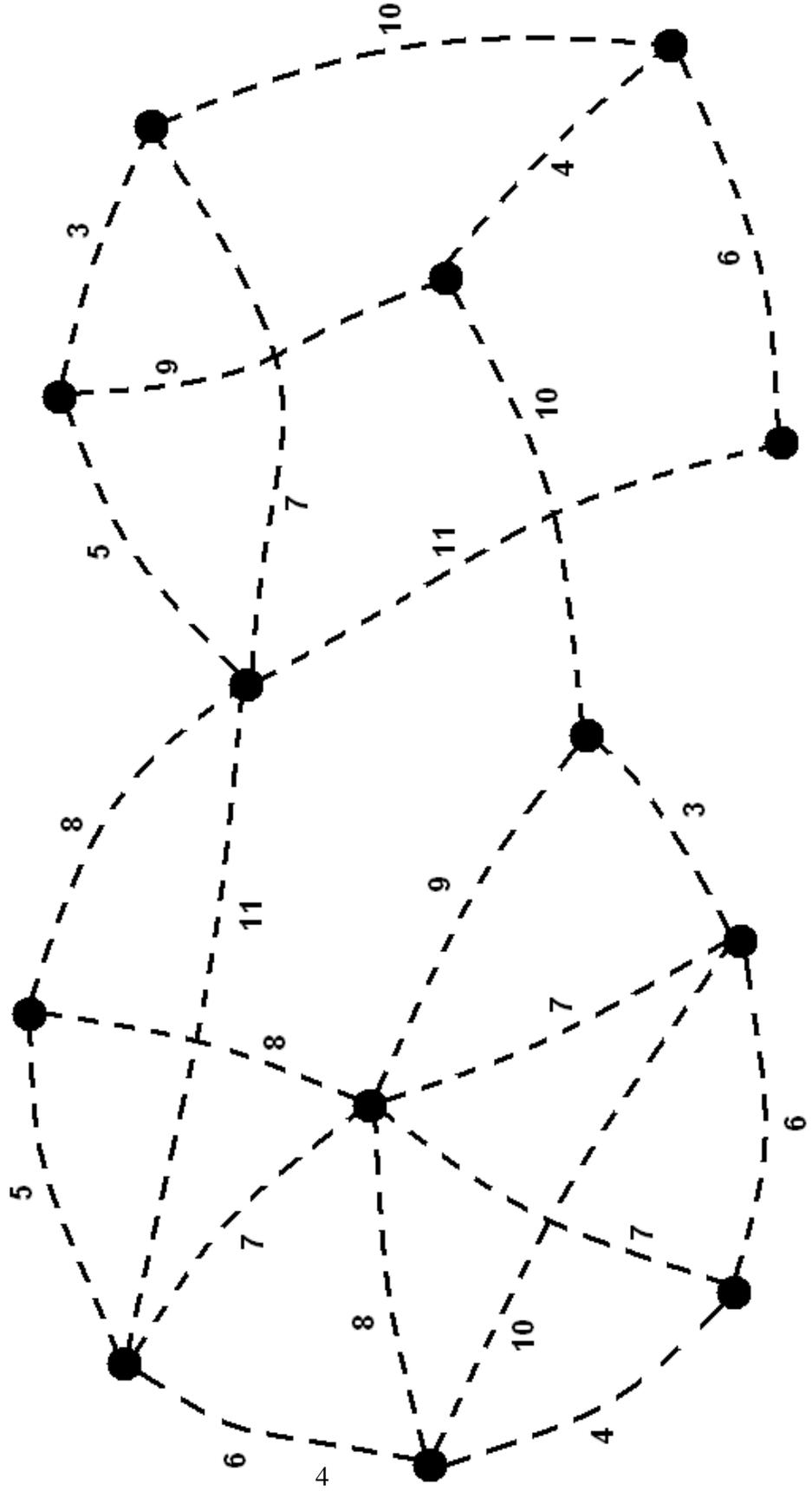
(c) 41?

(d) 76?





# Primland



# Kruskalia

