Quiz Questions

1) Consider 5 people with the preference rankings over A,B,C, and D as follows

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 |
| B | A | C | A | D |
| C | D | B | C | B |
| D | C | D | B | C |
| A | B | A | D | A |

a) Draw the preferences of all people.

b) Who has single-peaked preferences, and who has not?

c) Which project will be selected according to the Condorcet voting?

2) Consider a society with 5 individuals. Their income levels are:

Suppose each individual has a utility function:

where is the level of income, is the level of tax, and is the public good. Since there are number of people

If is selected according to Condorcet voting, what is the outcome of this election?