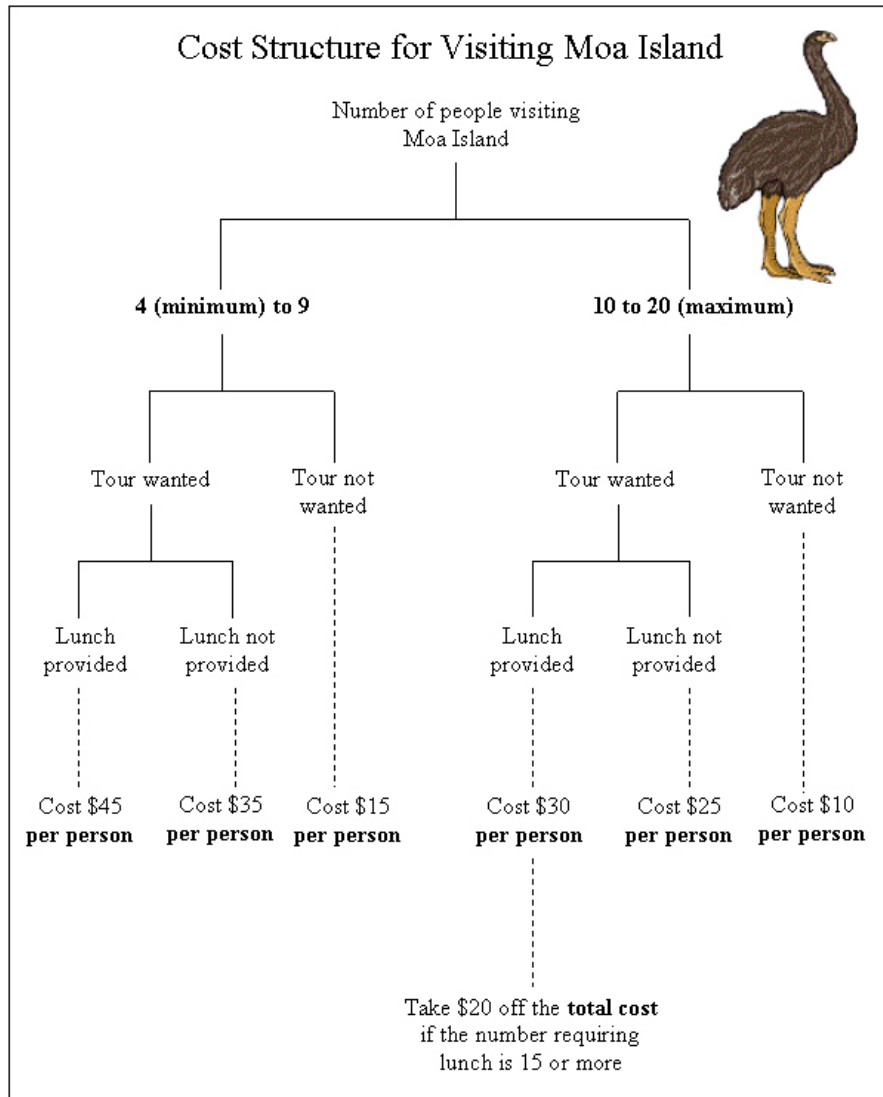


Visiting Moa Island

This task is about using a flowchart to find a general rule.



Use the flowchart to answer the following questions about visiting Moa Island.

The table below lists the next four groups to visit the island. Calculate the total cost for each group to visit Moa Island and write your answers in the spaces provided.

Group number	Total number visiting	Number wanting tour	Number wanting lunch on tour	Total Cost
i) Group 1	4	4	4	\$_____
ii) Group 2	5	3	2	\$_____
iii) Group 3	12	12	2	\$_____
iv) Group 4	16	16	16	\$_____

b) Let C = "total cost", and p = "the number of people". Write down an equation to show how much it costs

4 to 9 people to visit Moa Island, with all of them wanting a tour, but nobody wanting lunch provided.

i)

15 or more people to visit Moa Island, with all of them wanting a tour **and** lunch provided.

ii)
