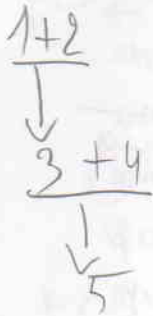


4. Because Henry has started on a weight-lifting program, and weight lifters are very strong, it follows that Henry will soon be very strong. And anyone who is unusually strong can make the football team. So Henry will make the team this year. (4)



- 1 - Henry has started on a weight lifting program
- 2 - weight lifters are very strong
- 3 - Henry will soon be very strong 1, 2
- 4 - Anyone who is unusually strong can make the football team
- 5 - Henry will make the team this year 3, 4 4

III. For each of the following arguments: (1) Identify which of the three nondeductive arguments that we considered in chapter three is used. Next, (2) state whether or not the argument is successful or unsuccessful. (3) If the argument is successful, provide a brief explanation for why it is so. Or if the argument is unsuccessful, provide a brief explanation for why it is not successful. Each is worth 2 marks.

1. A recent study by the provincial government that monitored the health of ten residents on the west coast of British Columbia over a period of three years found that these ten individuals had higher than average levels of toxins in their bodies. Therefore, it is probable that all Canadians have higher than average levels of toxins in their bodies.

- Inductive generalization 2

- unsuccessful

- size of sample is too small (50% & they can't generalize all Canadian, Hasty generalization & sample bias) (10 people & west coast British Columbia)

2. A recent study by the provincial government that monitored the health of 70% of the residents on the west coast of British Columbia over a period of three years found that all these individuals had higher than average levels of toxins in their bodies. Therefore, it is probable that all residents on the west coast of British Columbia have higher than average levels of toxins in their bodies.

- Inductive generalization 2

- successful

- 70% is a big size sample (X 50%) & it mostly this resident

had had higher than average level of toxing (it follows the category of the group)