

EXPLORE DATA SCIENCE ACADEMY

ADMISSIONS

Example Admissions Assessment Questions

Below you will find example questions similar to what you will be required to answer in the admissions process.

Verbal Reasoning

Determine if the given statement is true or false, based only on the text below.

Text: “In 2001, just less than half (49,4%) of all poor households were deprived in 33,3% to 39,9% of the weighted indicators. By 2011, this proportion of households had increased to 53,9%. More importantly, the proportion of households deprived in 60% or more of the weighted indicators (that is, the most severely deprived households) was cut in half, falling from 7,9% in 2001 to 3,6% in 2011.”

Statement: In 2011, more households were generally considered poor than in 2001, since more households were deprived of more of the weighted indicators.

☐ False☐ True

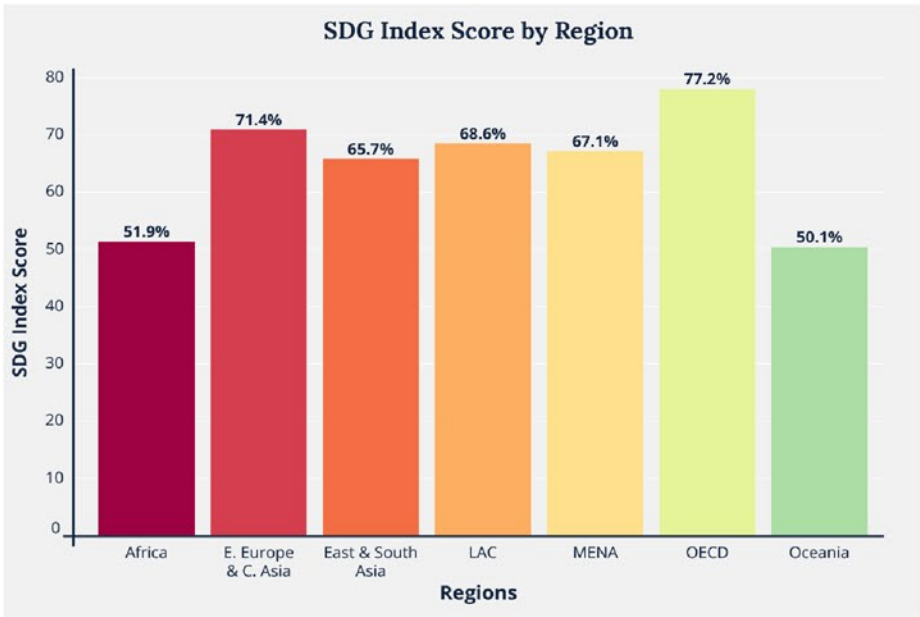
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Numerical Reasoning

You are provided with a bar chart displaying the SDG index score per region.

Based on the bar chart, what is the percentage difference in the SDG index score between LAC and Africa?

☐ 32.18%☐ 24.34%☐ 16.70%☐ 27.72%

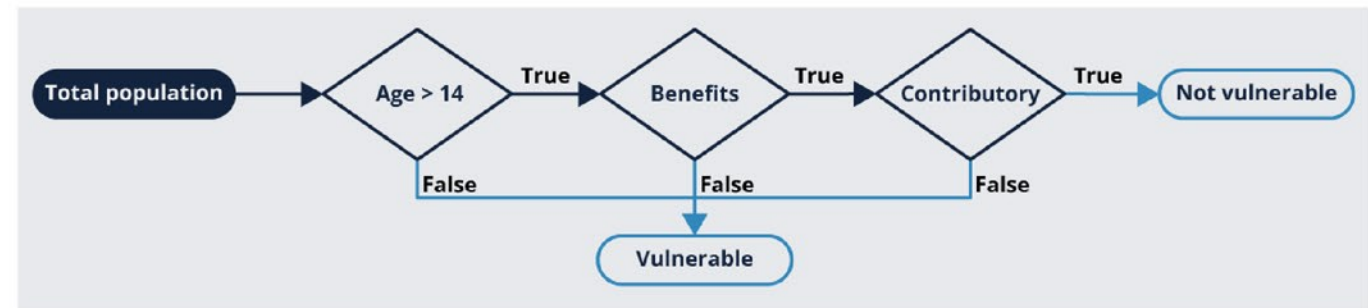
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Logical Reasoning

Which of the presented pseudocode(s) will produce the same output as the given flow diagram?

“Vulnerable” is equal to **vulnerable** = true and “Not vulnerable” is equal to **vulnerable** = false in the pseudocode.



i if *age* <= 14 AND *benefits* == false AND *contributory* == false then
vulnerable = true
else
vulnerable = false

ii if *age* <= 14 AND *benefits* == false AND *contributory* == true then
vulnerable = true
else
vulnerable = false

☐ i☐ ii☐ i, ii☐ None of the above

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Note: Although the MECE principle is discussed in the learning material, it will not form part of any of the assessments.