



```

56 if c == -1 or a == b:
57     wrong_answer_1 = '$\infty$'
58 else:
59     wrans = round((b**(c+1) - a**(c+1))/(b - a), 4)
60     wrong_answer_1 = str(wrans)
61                                     ## selecting second wrong
62                                     ## answer
63
64 wrong_answer_2 = 'None of the above'    ## third wrong answer
65
66
67 answer=[correct_answer, wrong_answer_0, wrong_answer_1, wrong_answer_2]
68                                     ## the list of answers
69
70
71 ''' now printing the LaTeX input for AMC, like:
72 \begin{question}{prez}    6
73   Among the following persons, which one has ever been a President of the French Republic?
74   \begin{choices}
75     \correctchoice{René Coty}
76     \wrongchoice{Alain Prost}
77     \wrongchoice{Marcel Proust}
78     \wrongchoice{Claude Monet}
79   \end{choices}
80 \end{question}'''
81
82 qusbegin='\\begin{question}\n'
83 choicebegin='\\begin{choices}\n'
84 qusend='\\end{question}\n'
85 choiceend='\\end{choices}\n'
86
87
88 qustext='Evaluate the integral~:\n'+ '\\int_{' + str(a) + '}^{' + str(b) + '\n'
89         + '}' + str(c) + '}' + '\\text{ d}x.\n'+ '\\int_{'
90
91 qus=qusbegin+qustext+'\n'+choicebegin+'\\correctchoice{' + answer[0] + '}' + '\\n'\n'
92     +'\\wrongchoice{' + wrong_answer_0 + '}' + '\\n'\n'
93     +'\\wrongchoice{' + wrong_answer_1 + '}' + '\\n'\n'
94     +'\\wrongchoice{' + wrong_answer_2 + '}' + '\\n'\n'
95     +choiceend+'\n'+qusend+'\n'
96
97 print(qus)

```