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In [ ]: #Write a program to demonstrate constraint satisfaction problem for algebraic rel
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In [ ]: # Constraint Satisfaction Problem CSP
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In [ ]: #Solve the  $a + b = 5$ ,  $a * b = 6$  algebraic relation.
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In [2]:  
  
#Solve the  $a + b = 5$ ,  $a * b = 6$  algebraic relation.  
from constraint import *  
problem = Problem()  
problem.addVariable('a', range(5))  
problem.addVariable('b', range(5))  
problem.addConstraint(lambda a, b: a + b == 5)  
problem.addConstraint(lambda a, b: a * b == 6)  
solutions = problem.getSolutions()  
print(solutions)  
#[{'a': 3, 'b': 2}, {'a': 2, 'b': 3}]  
  
[{'a': 3, 'b': 2}, {'a': 2, 'b': 3}]
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In [ ]:
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