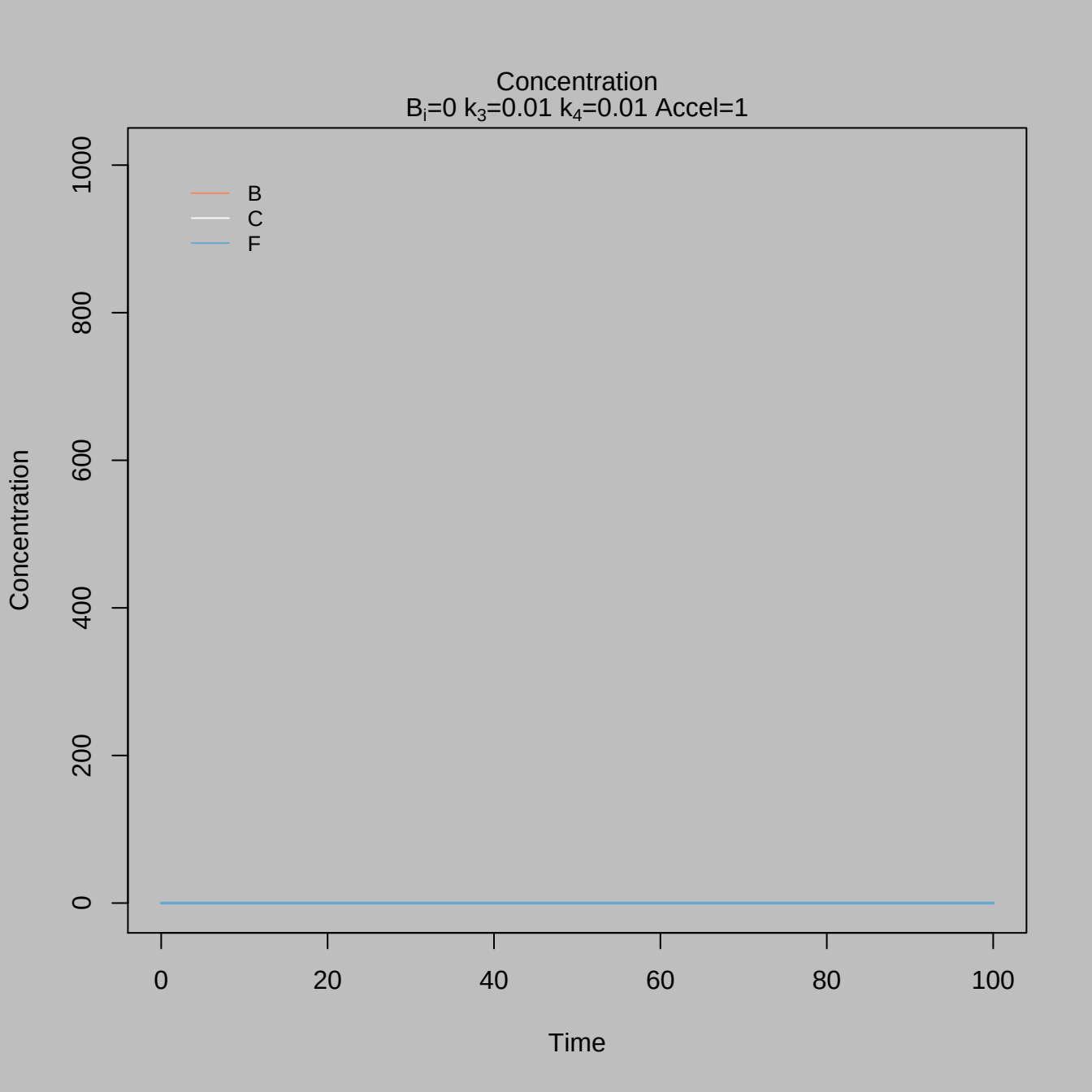
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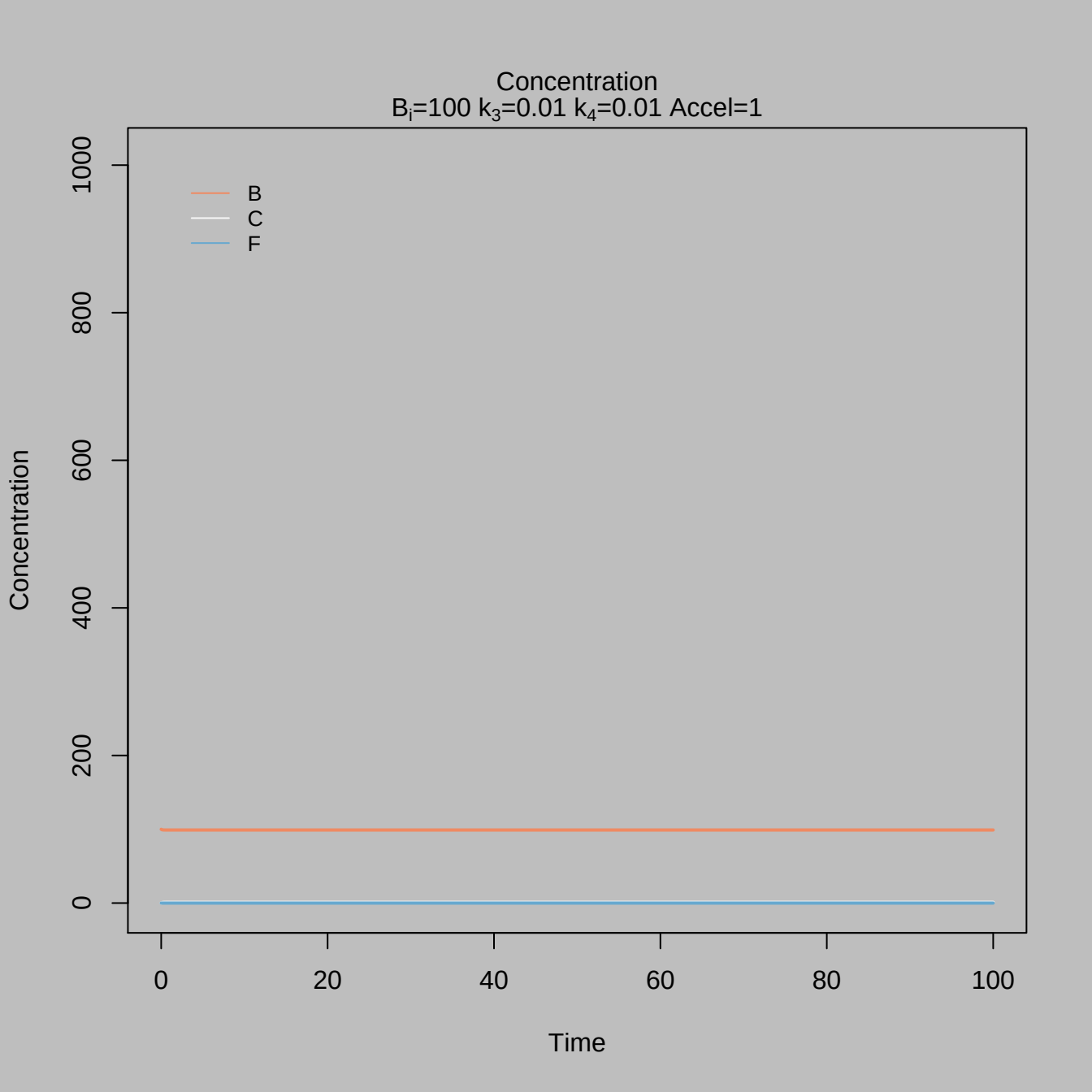
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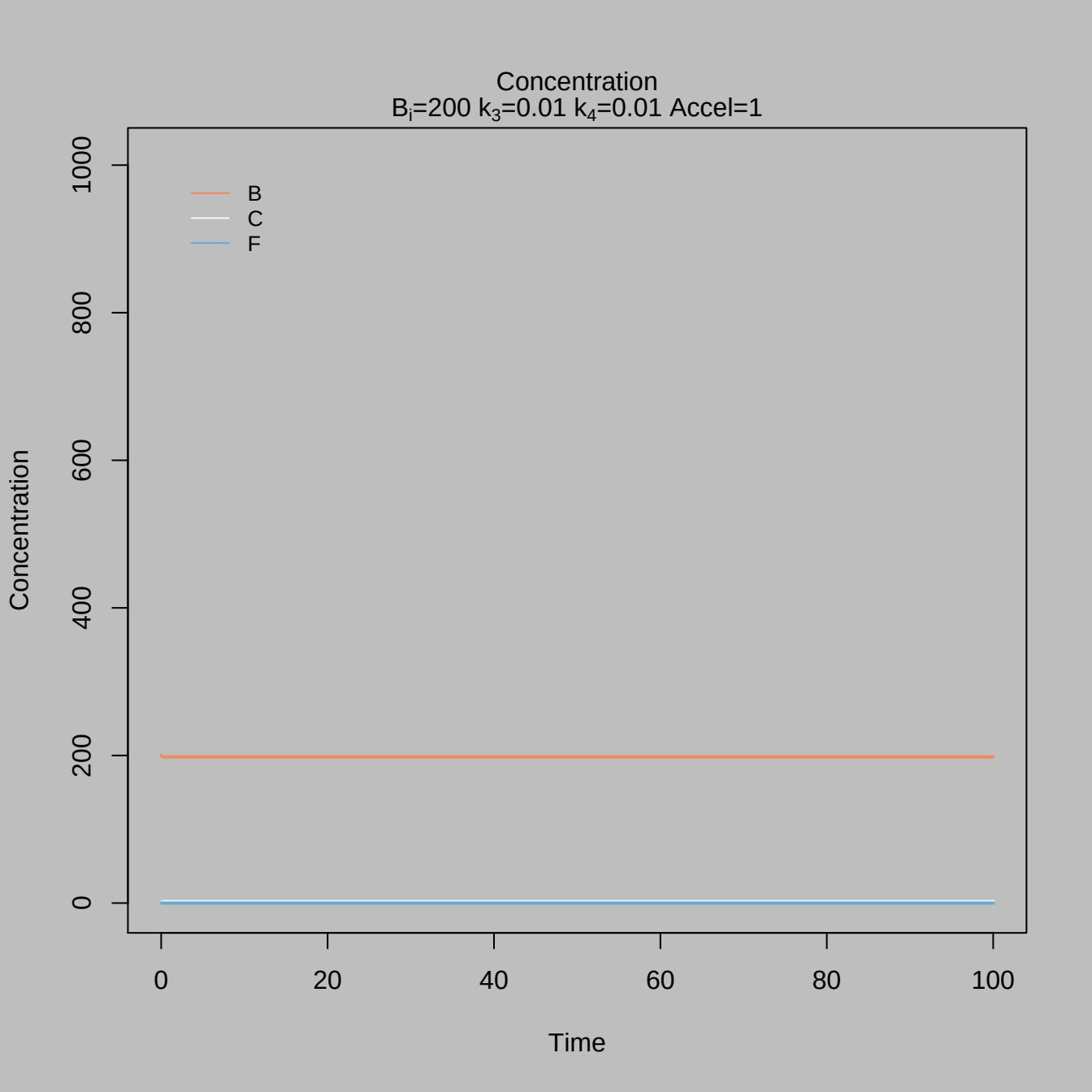
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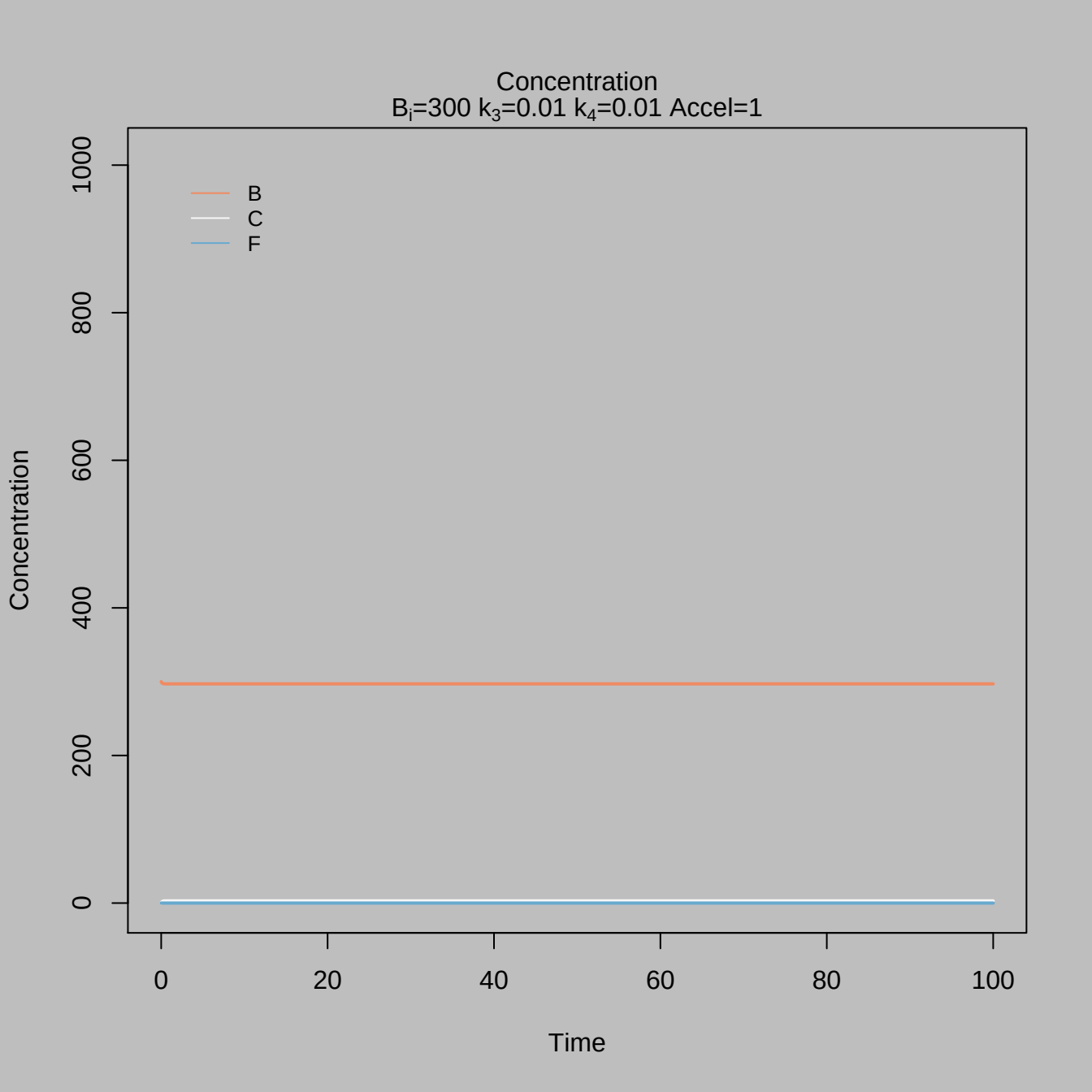
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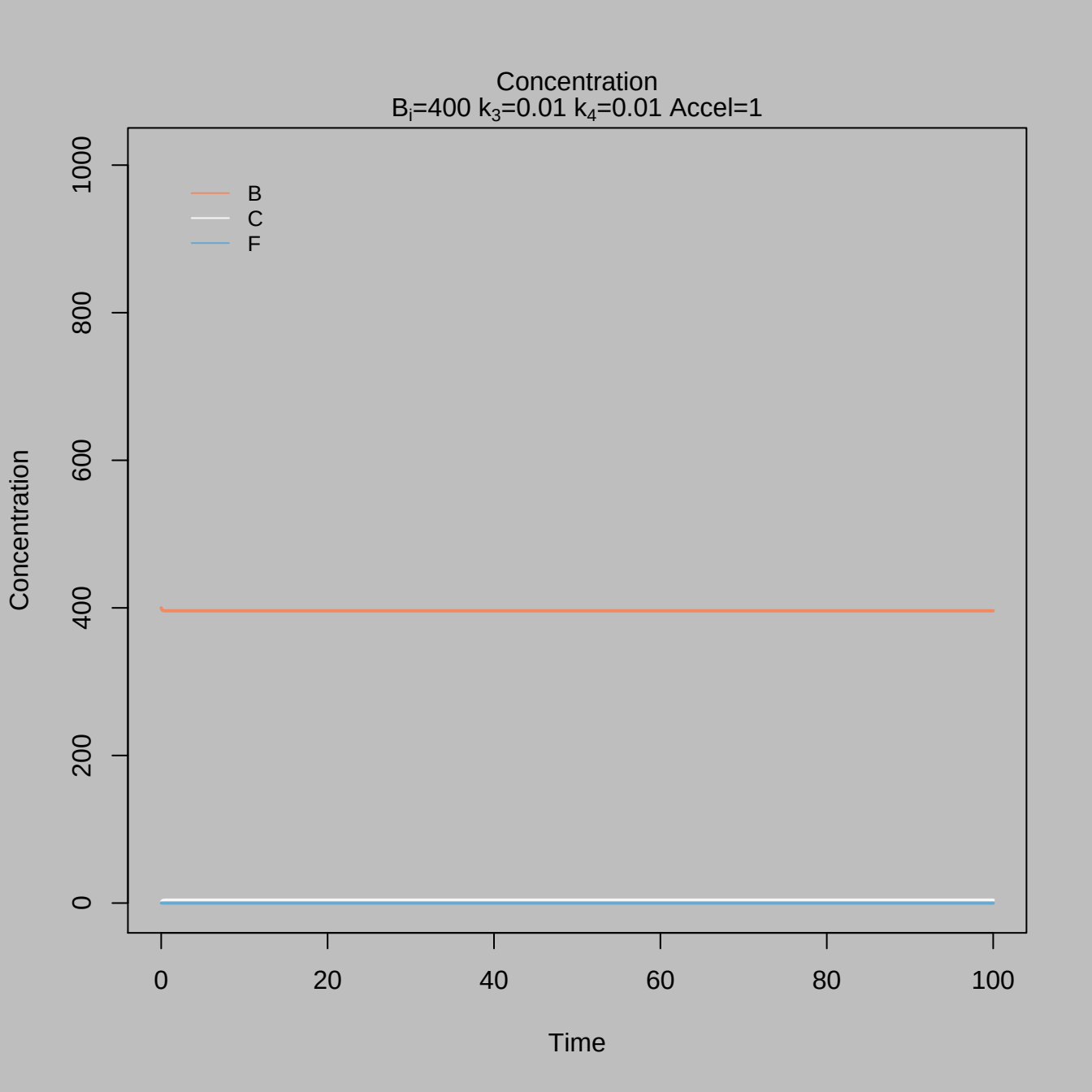
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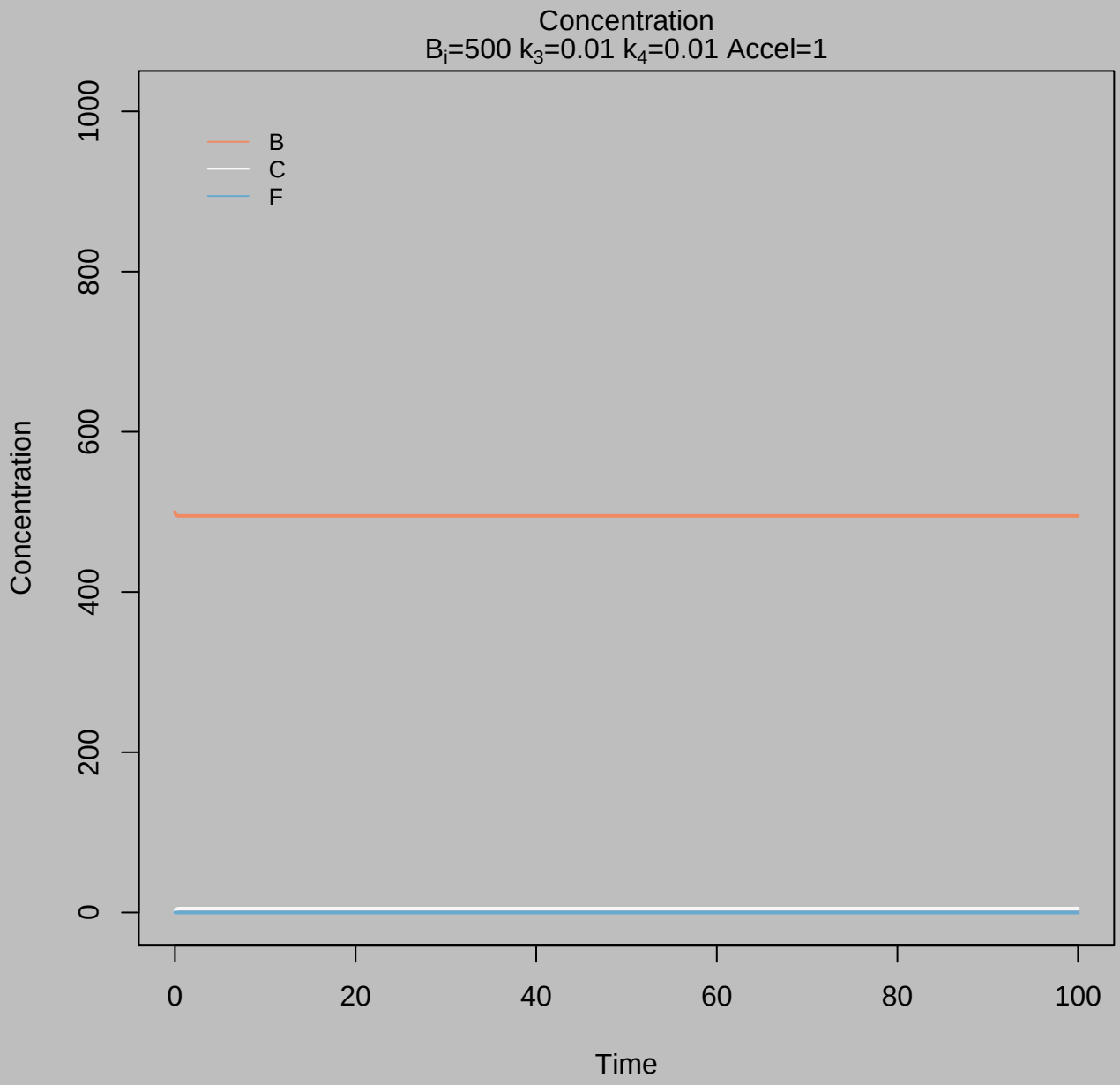
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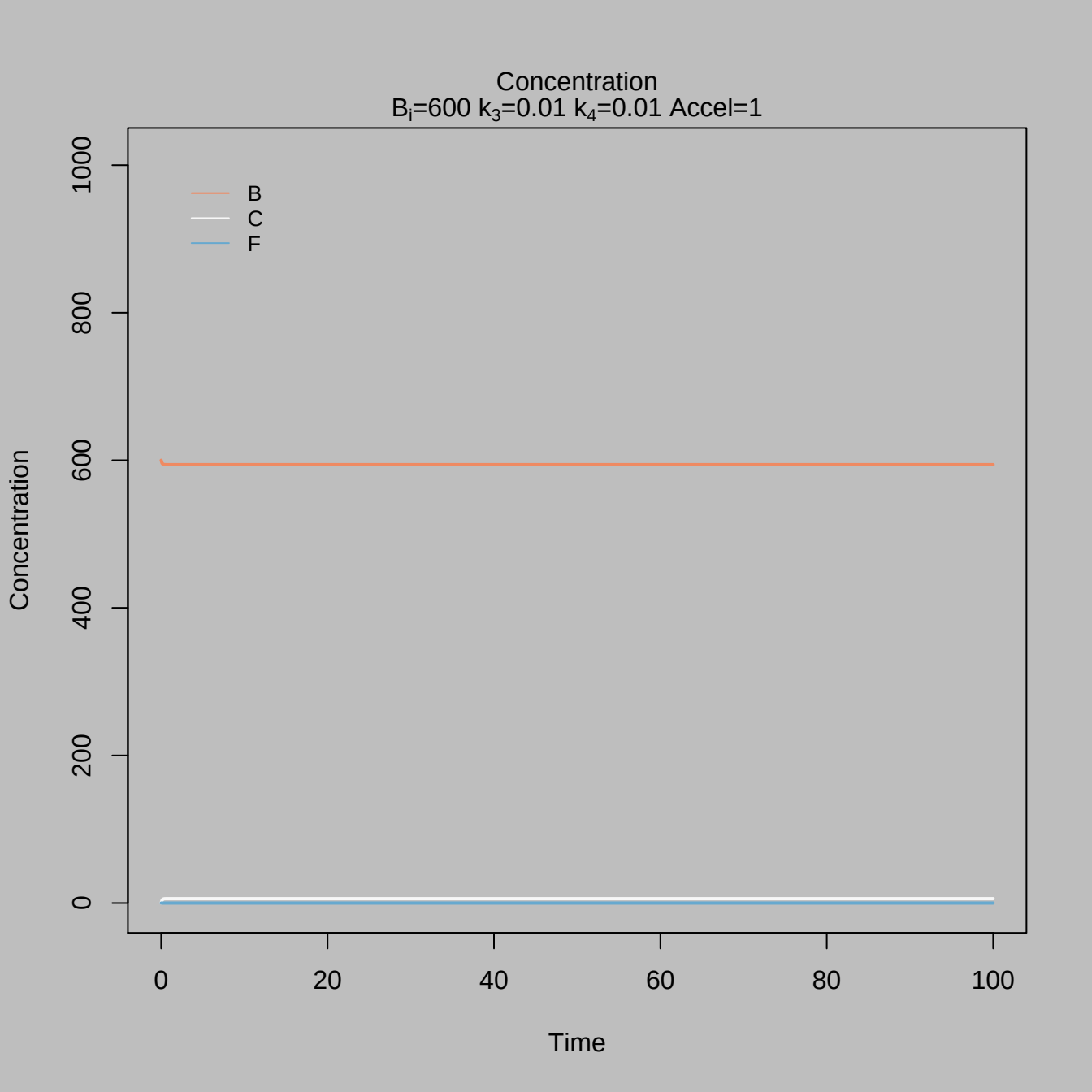
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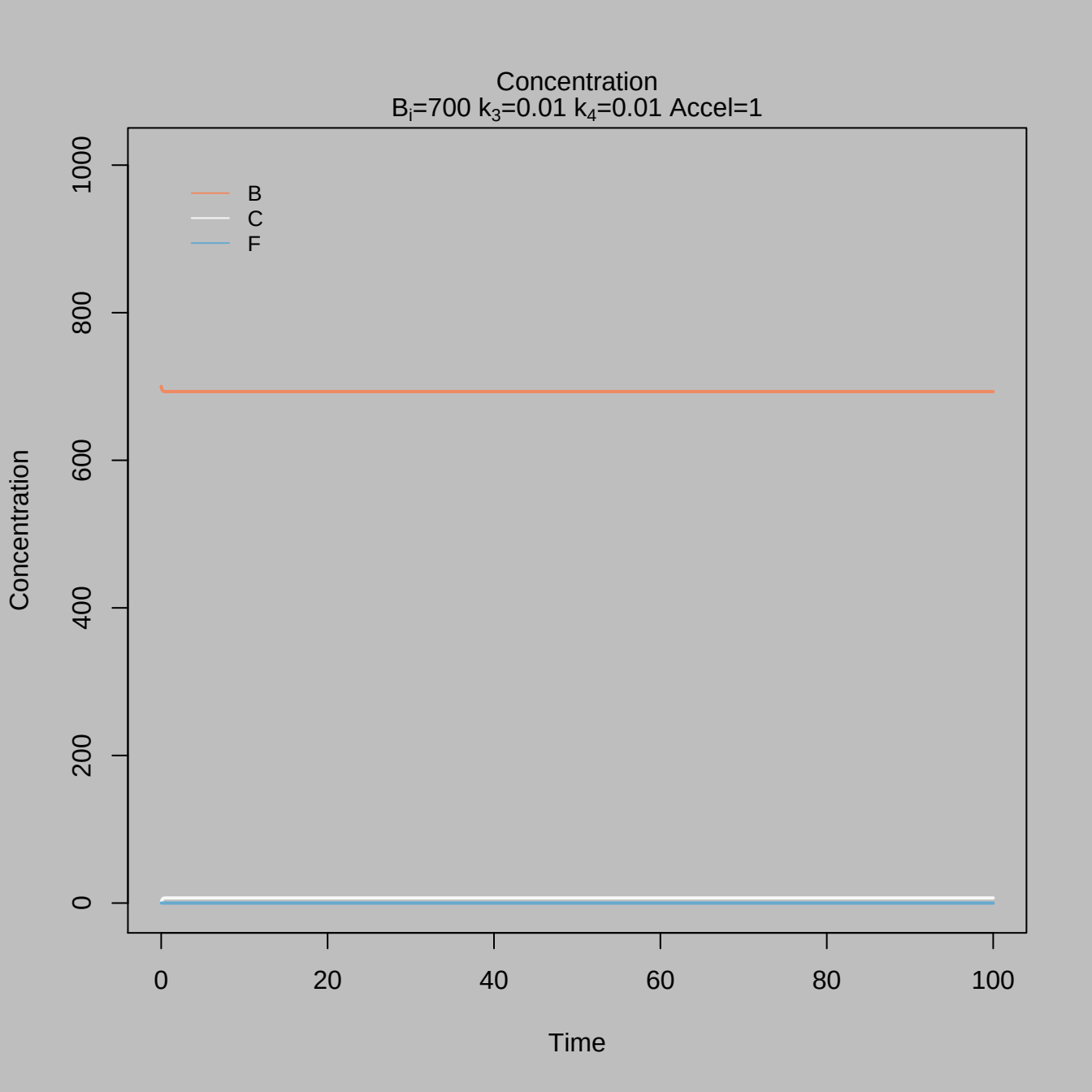
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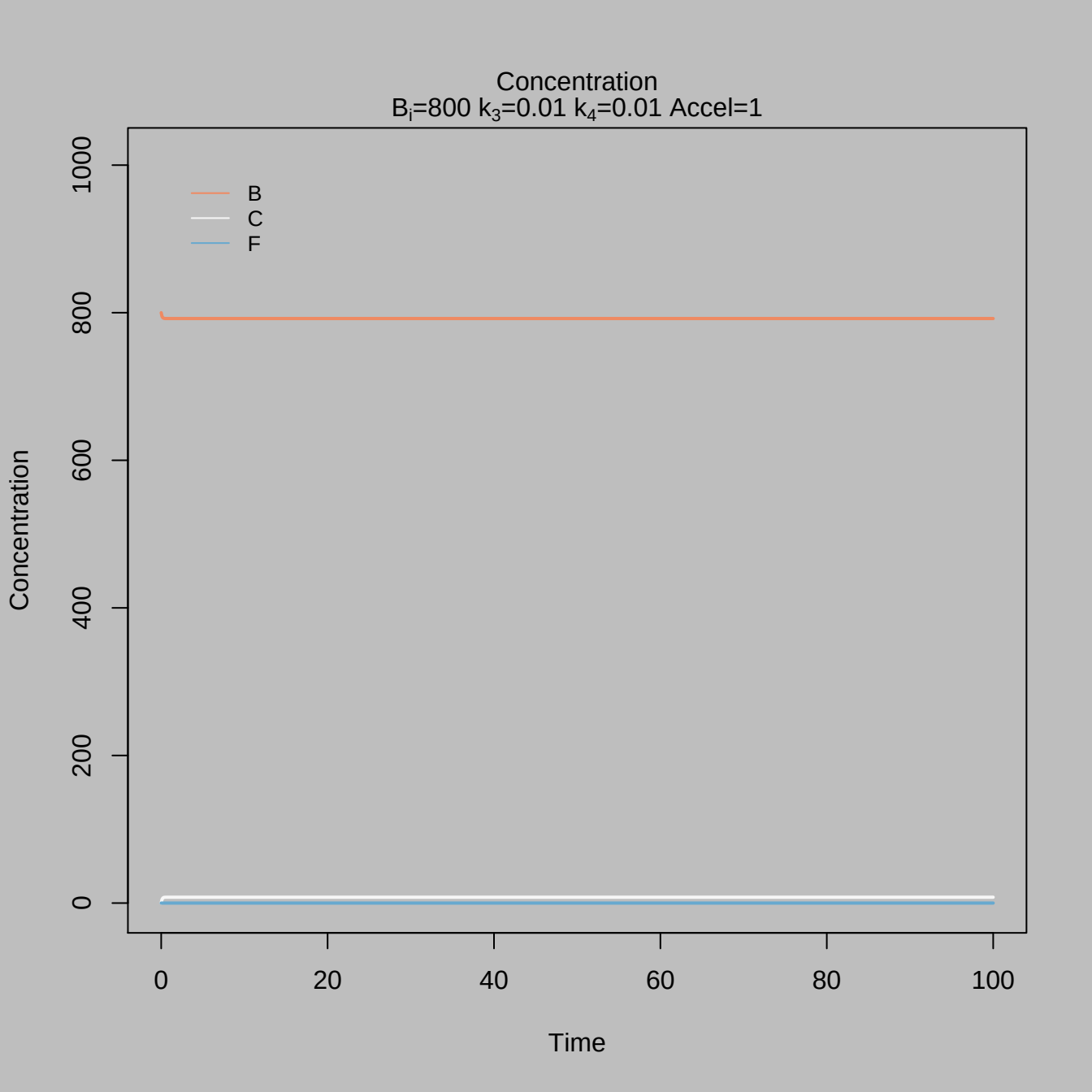
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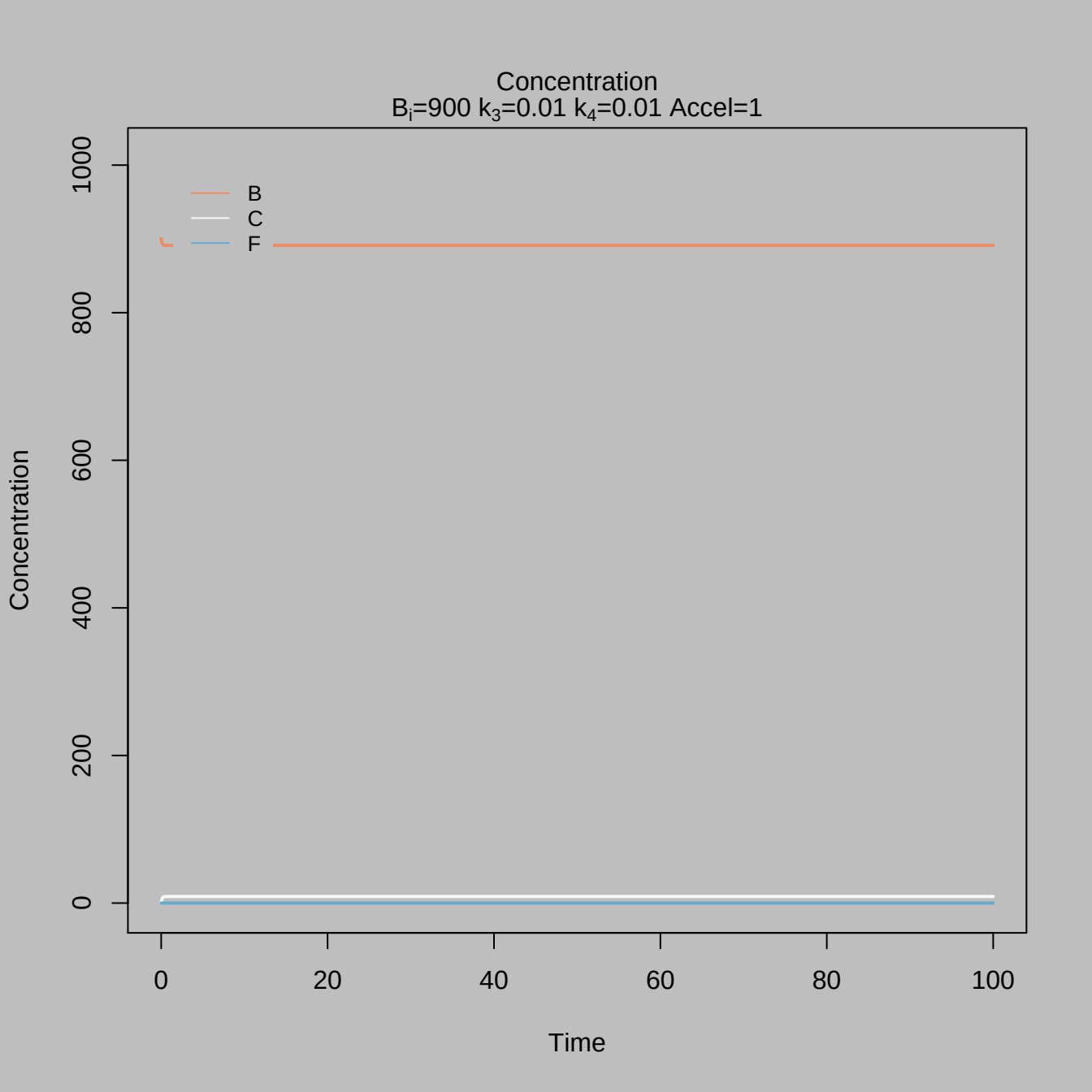
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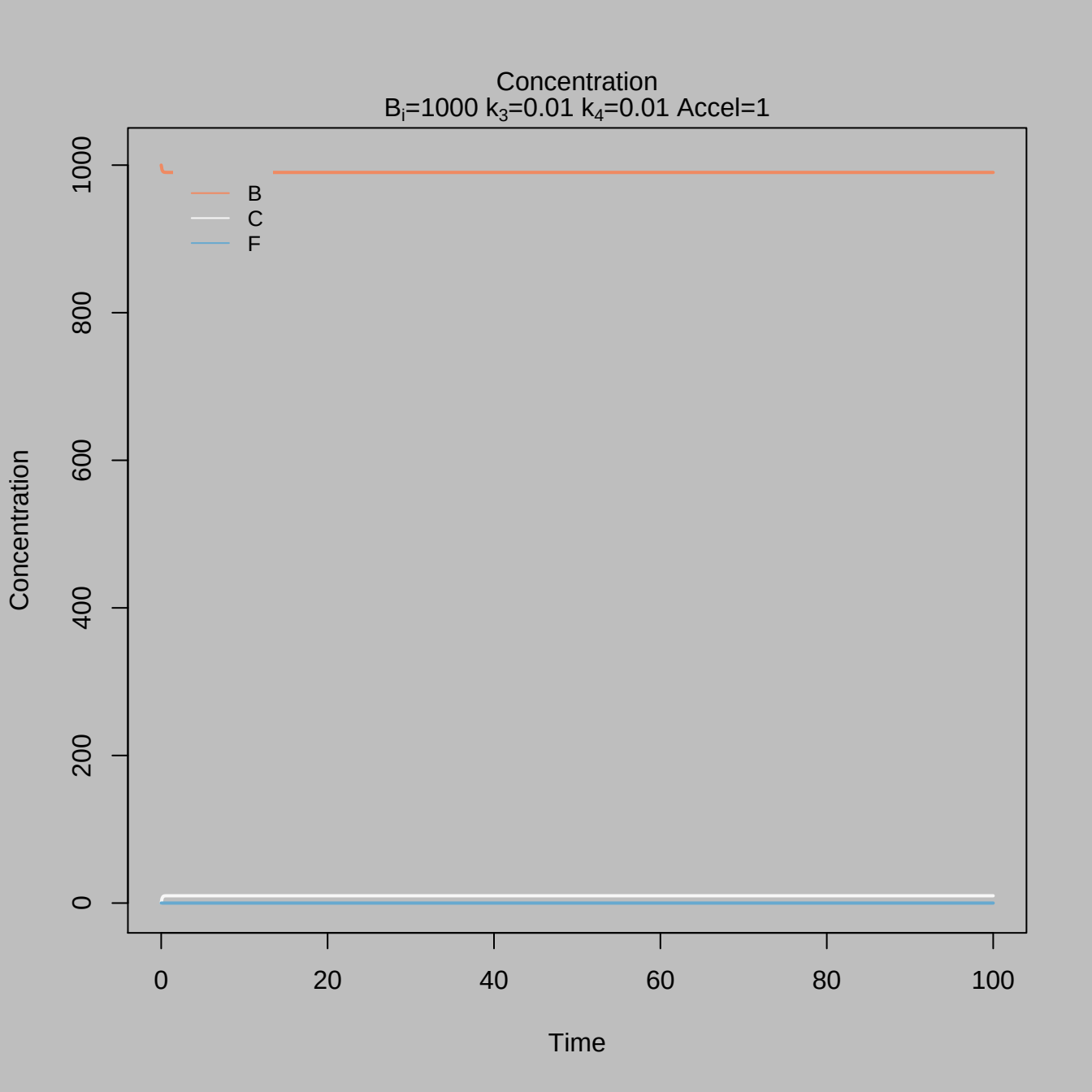
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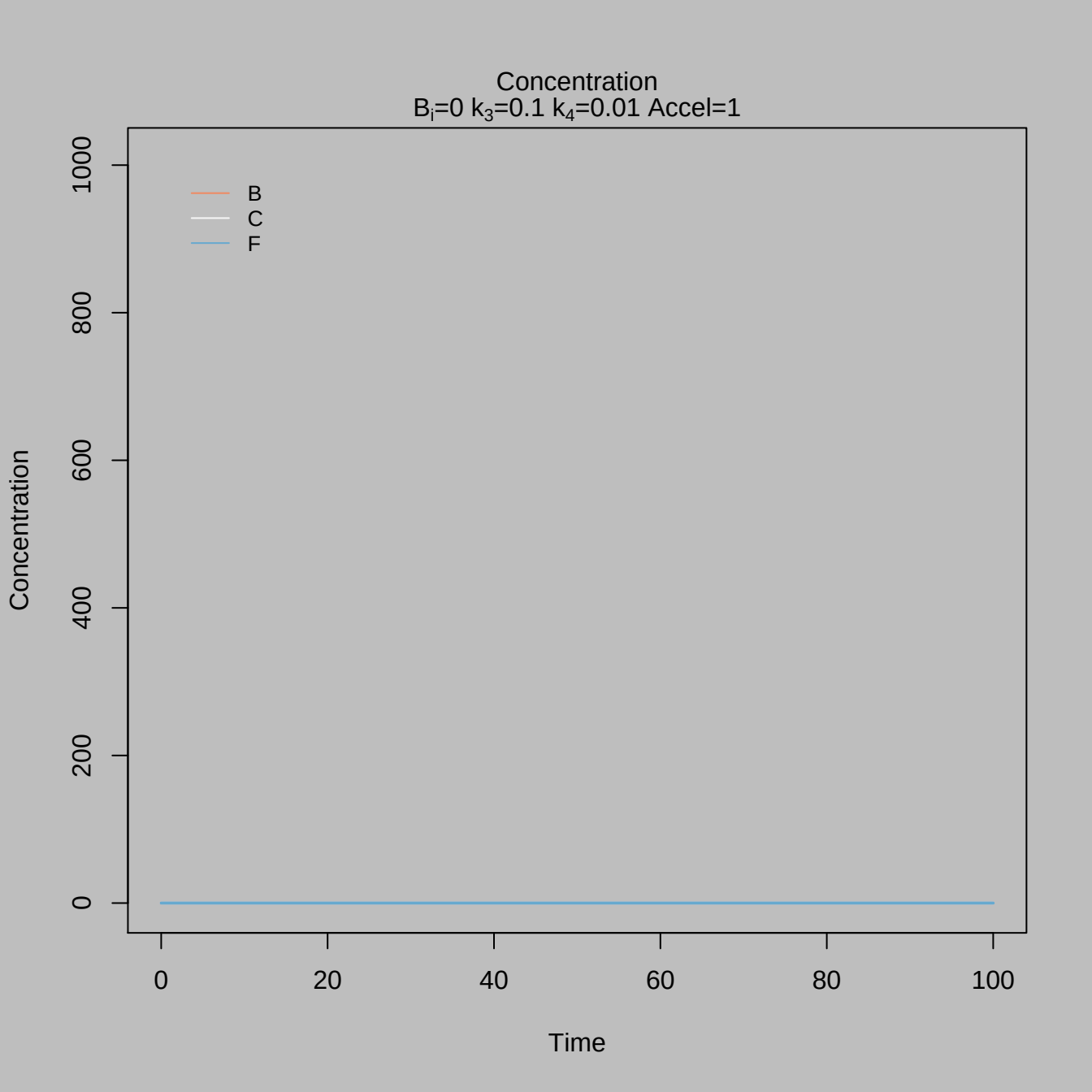
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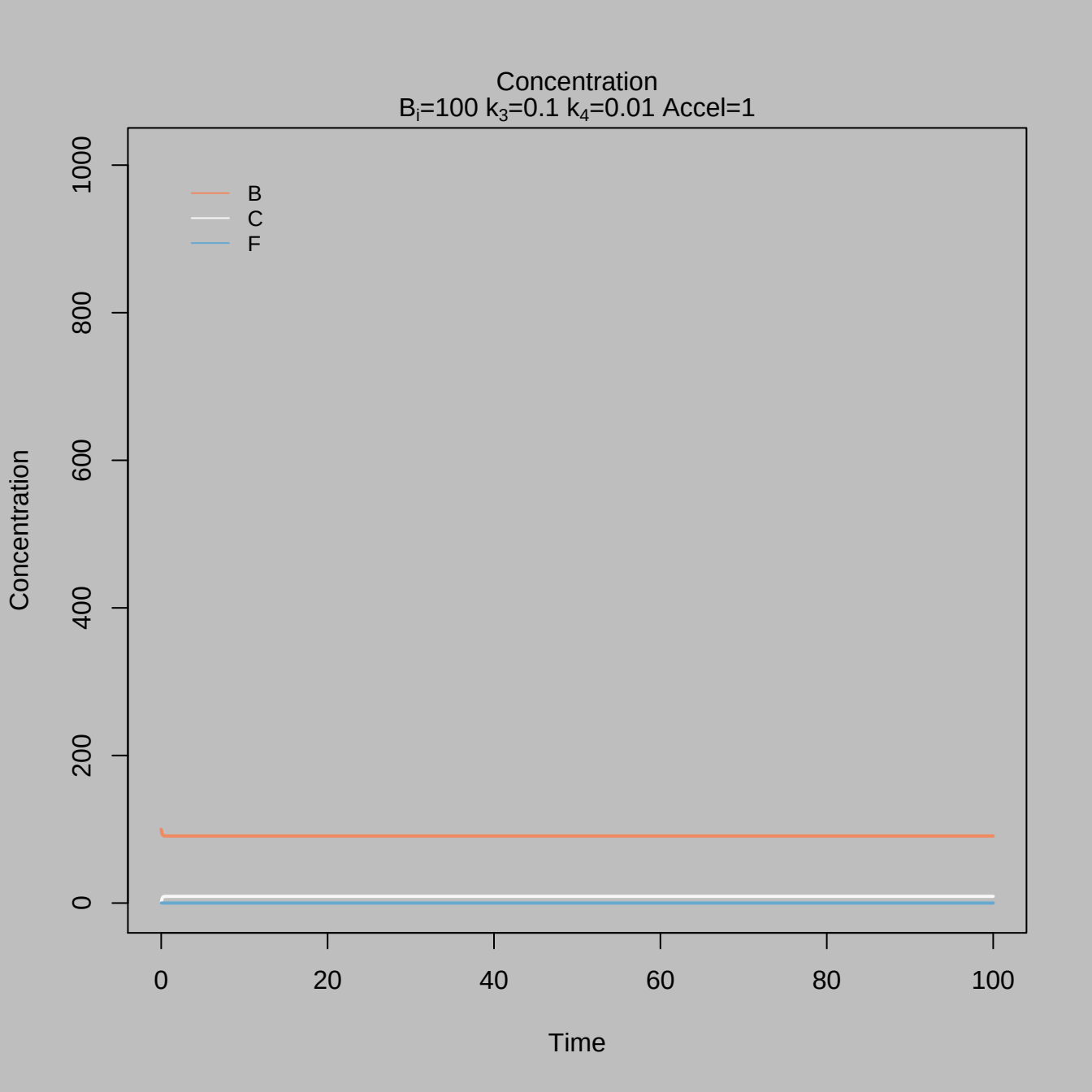
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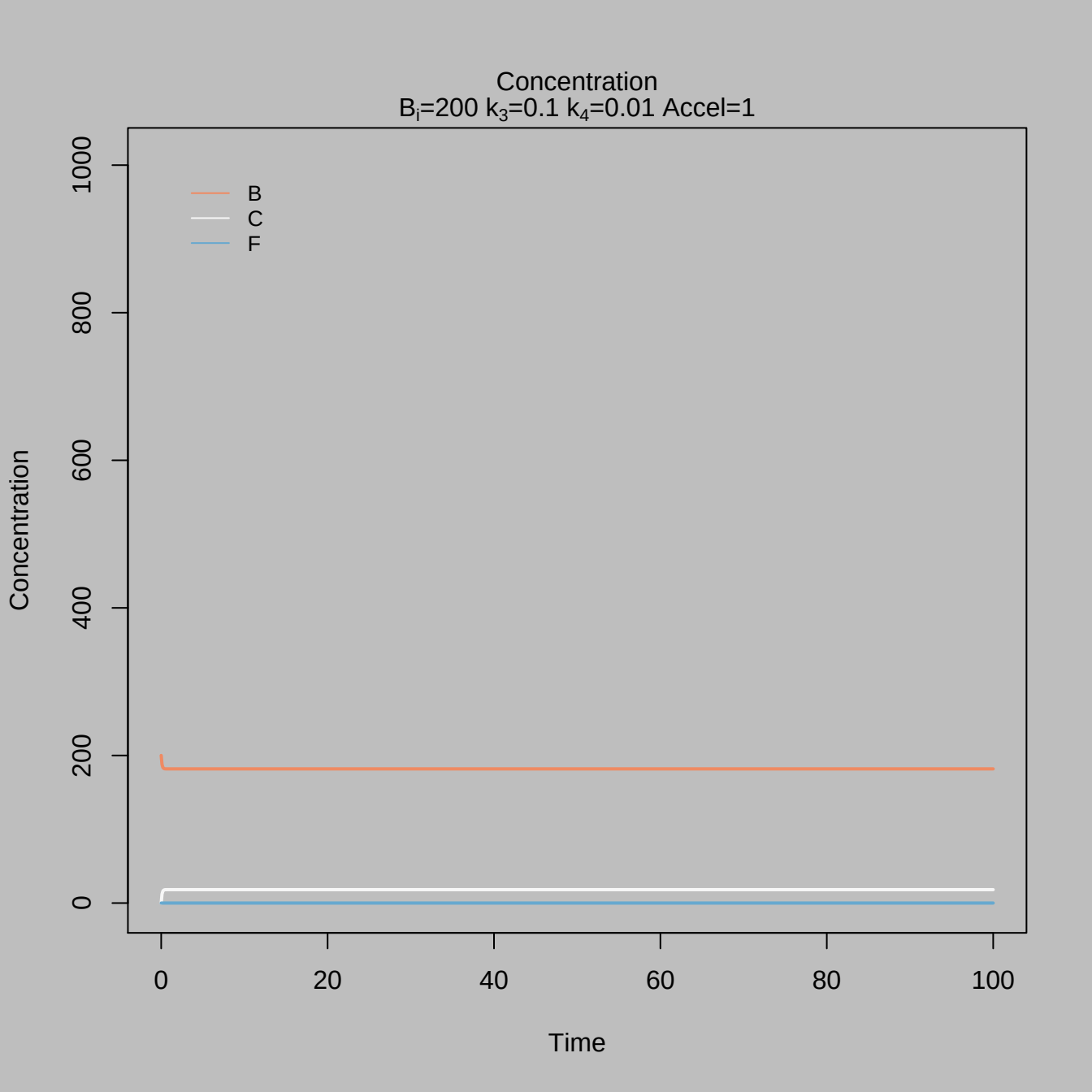
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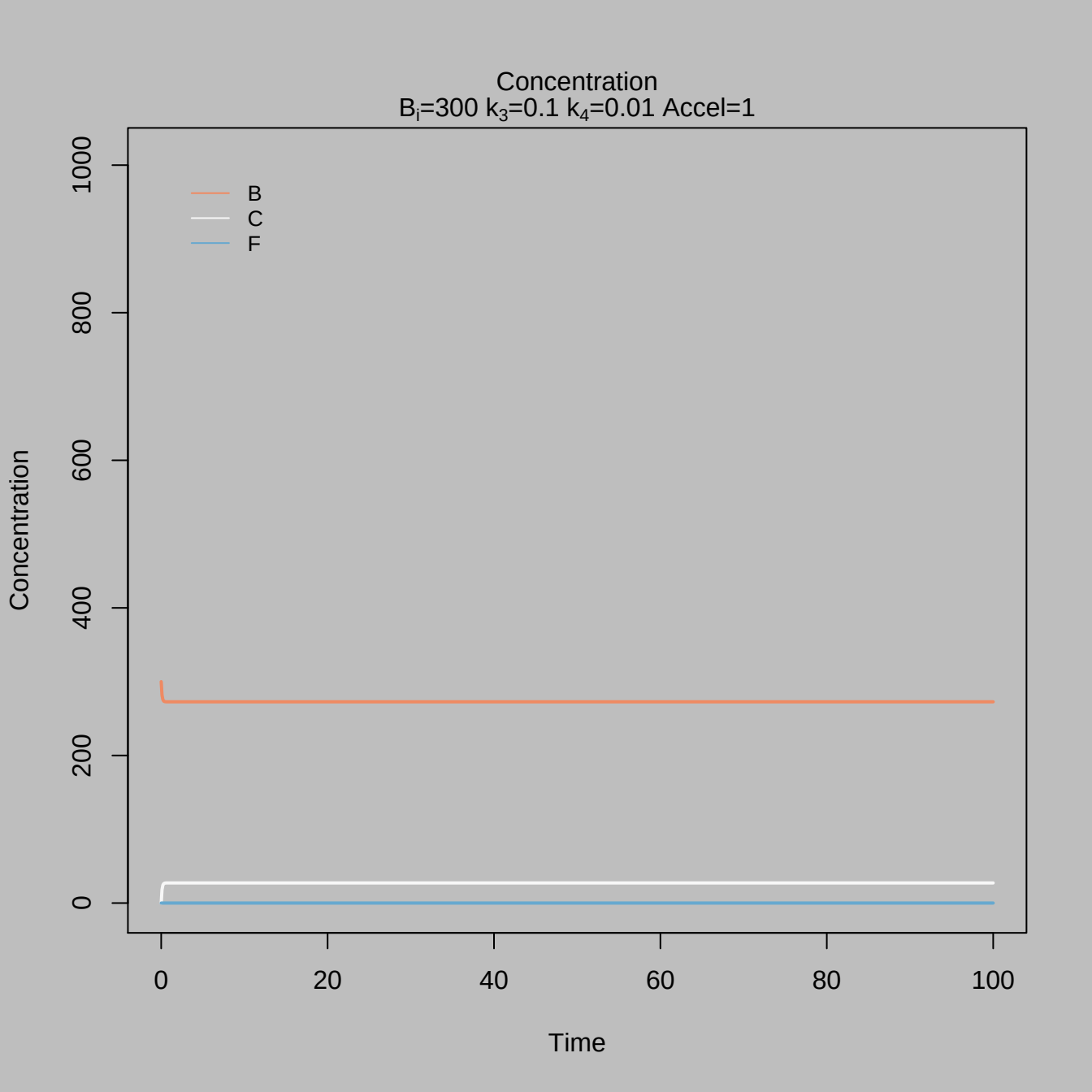
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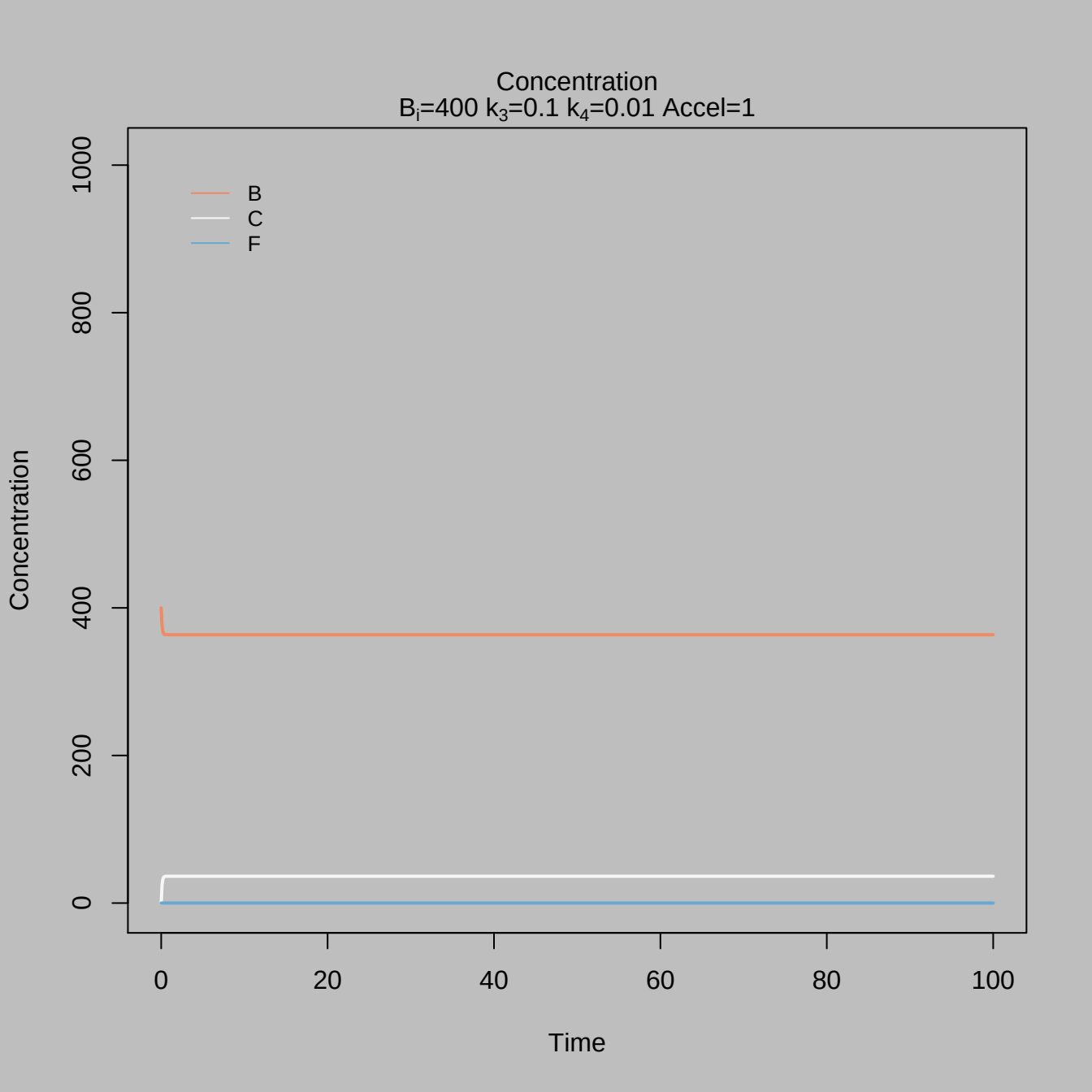
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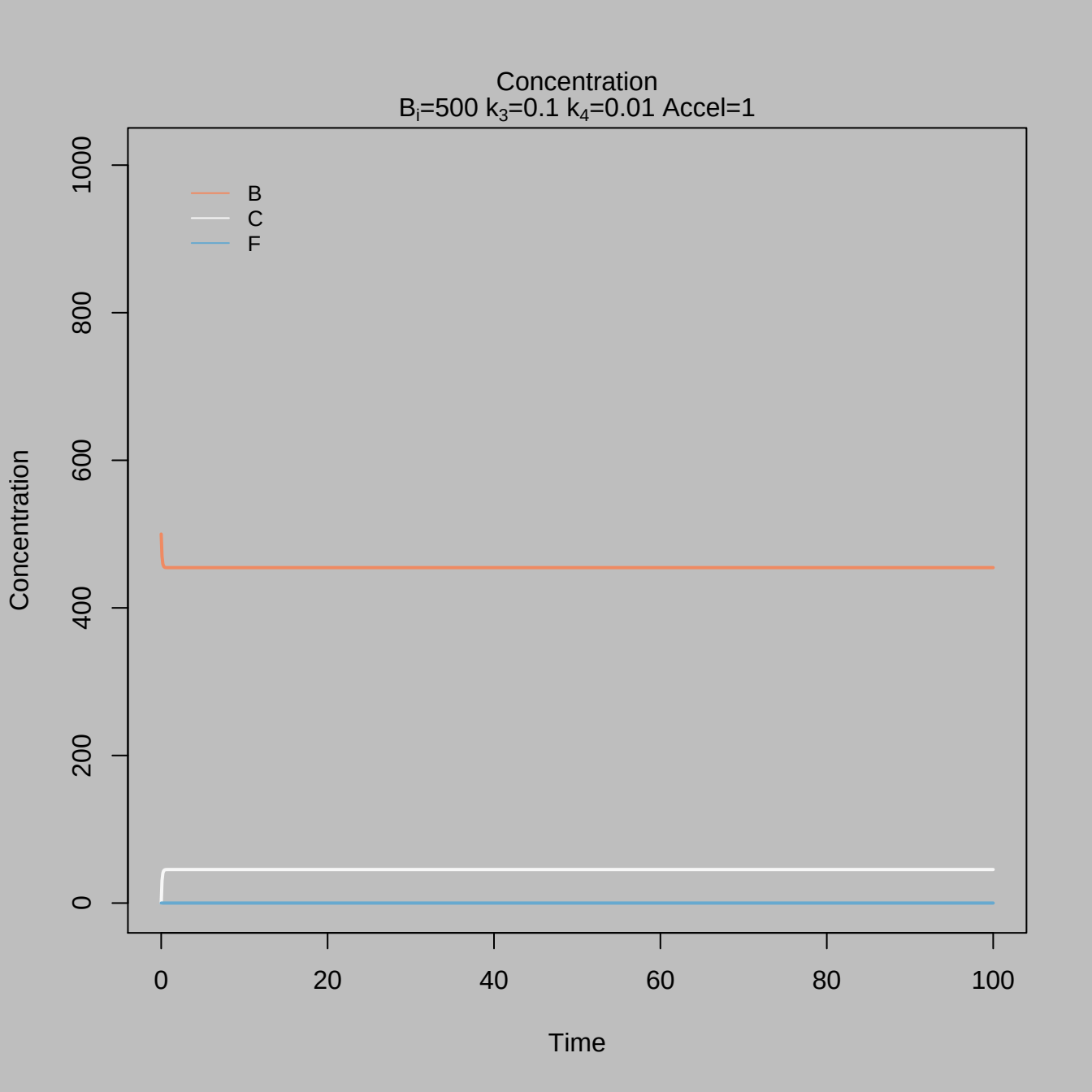
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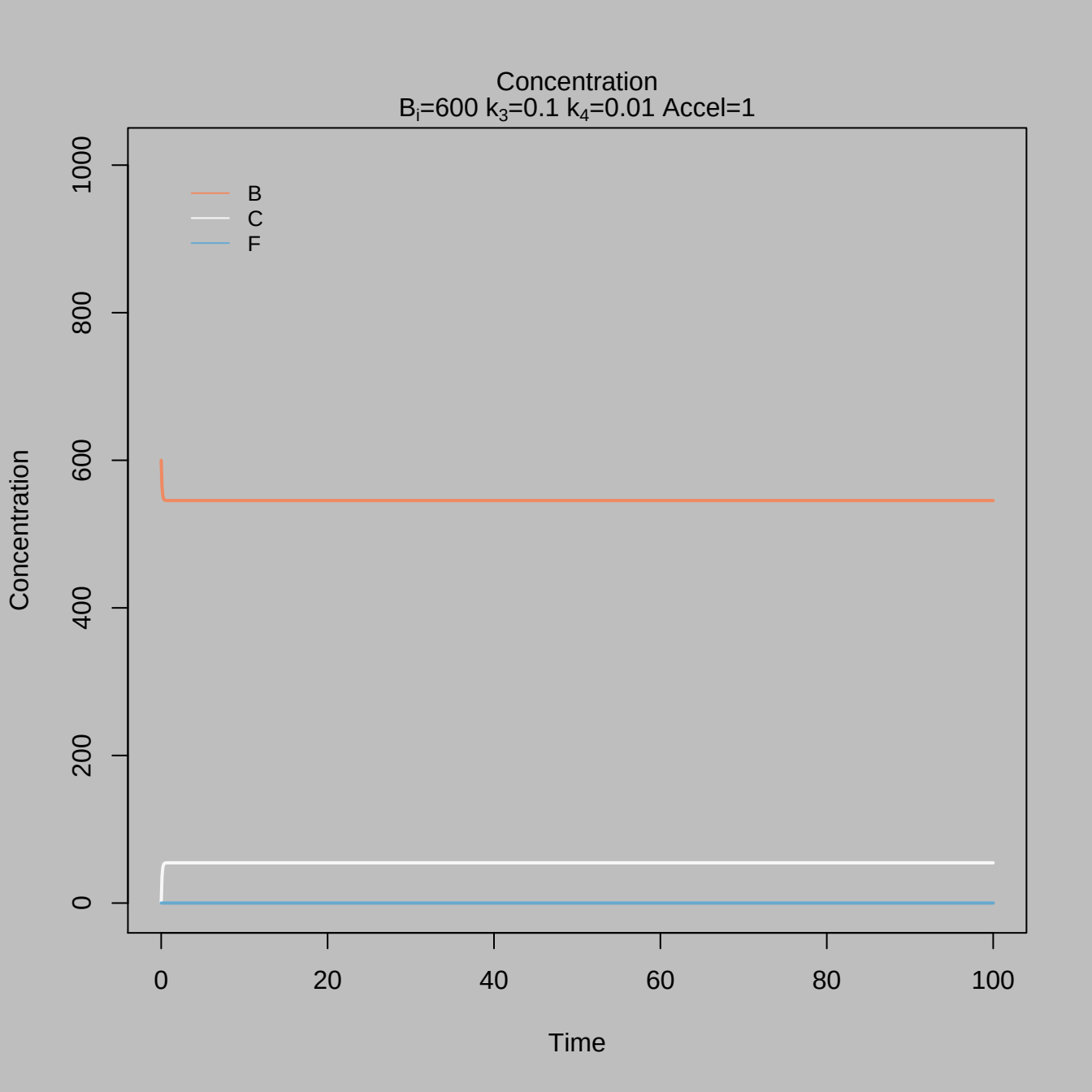
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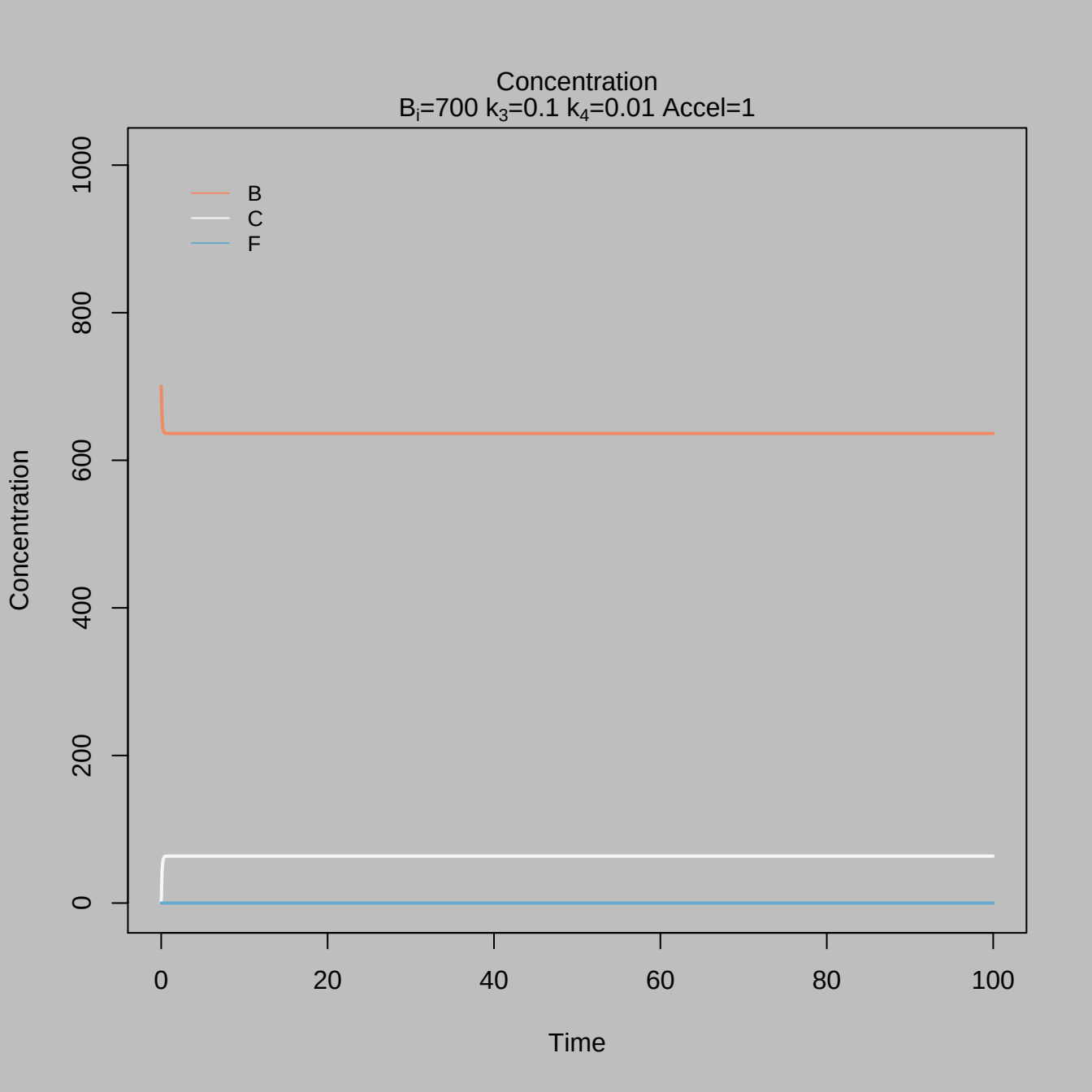
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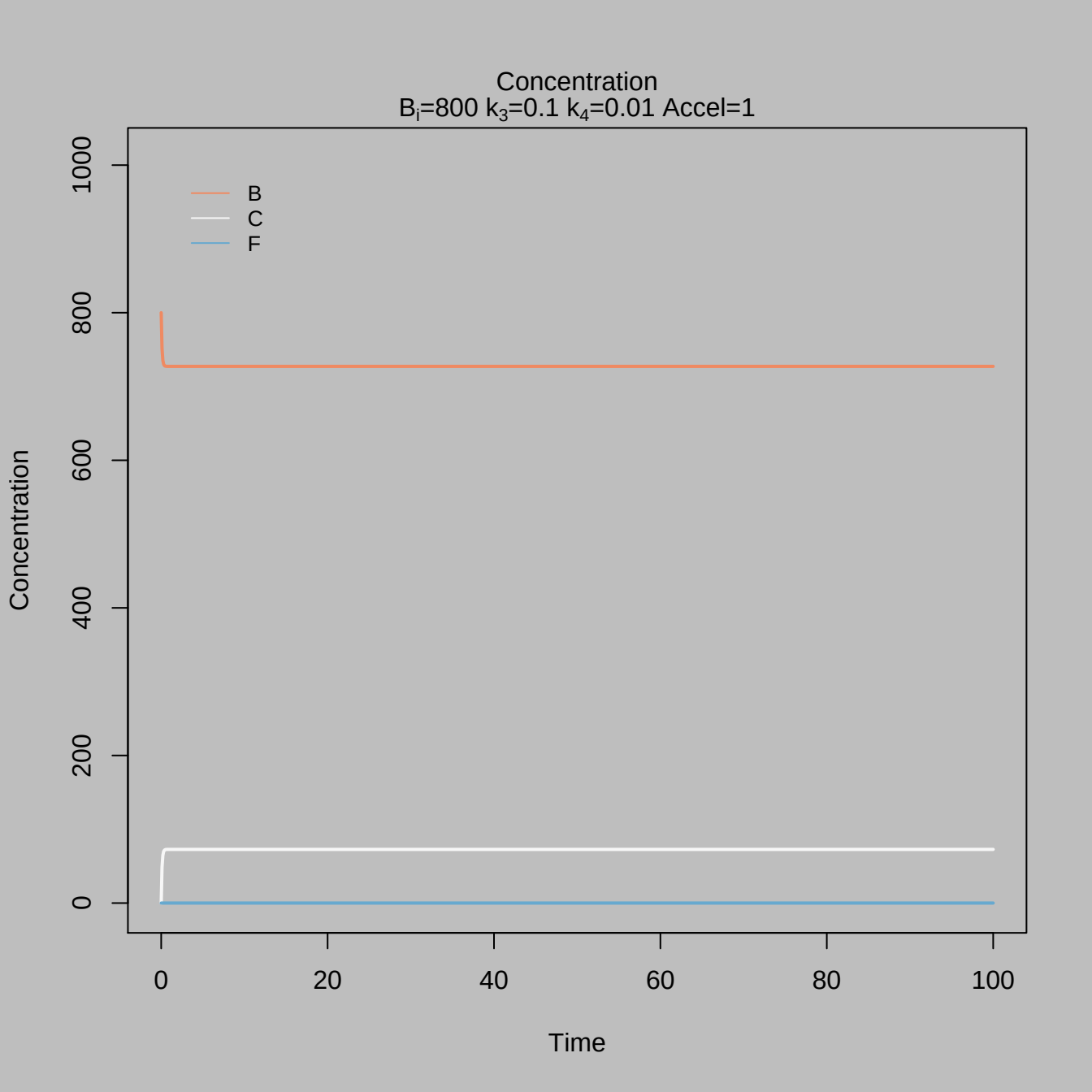
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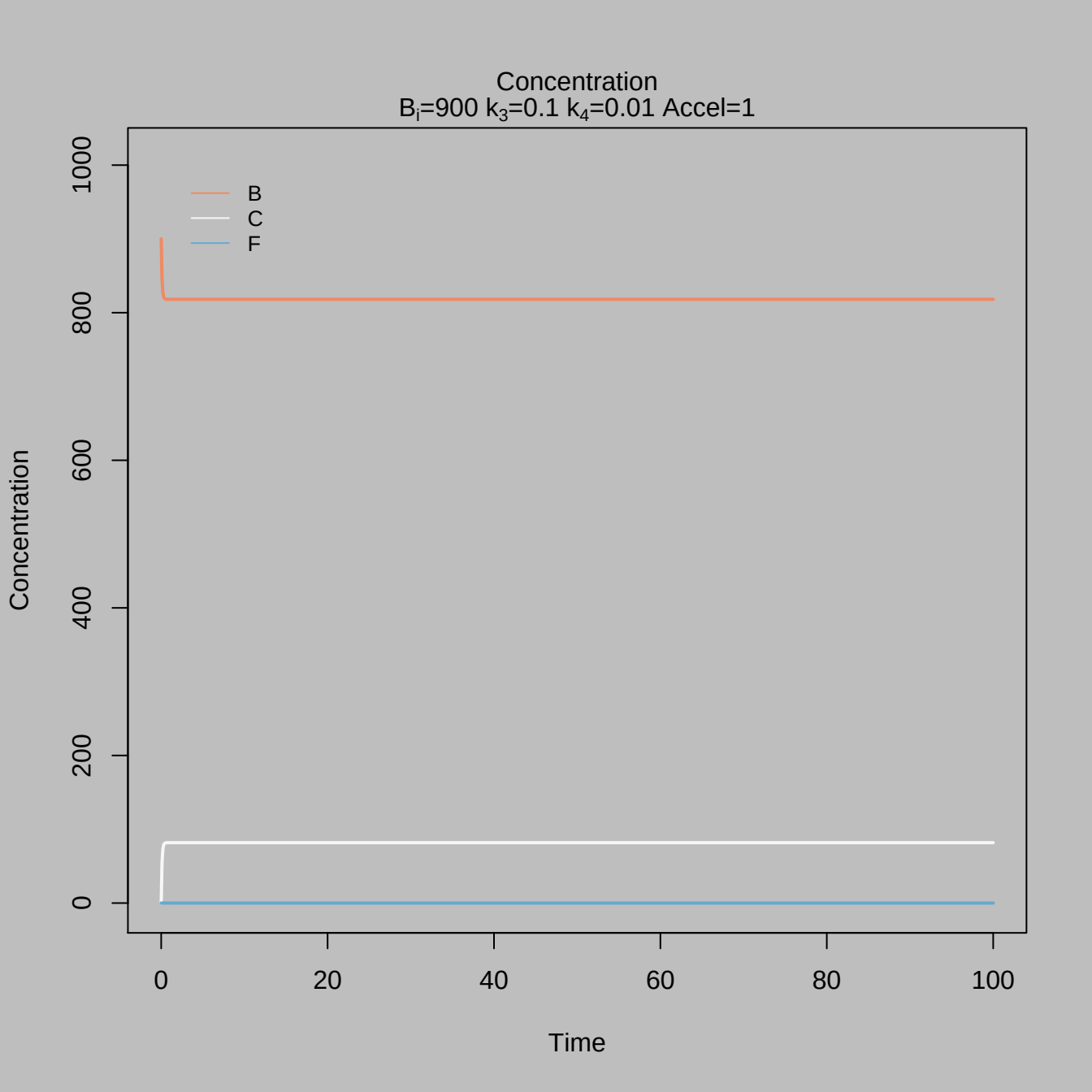
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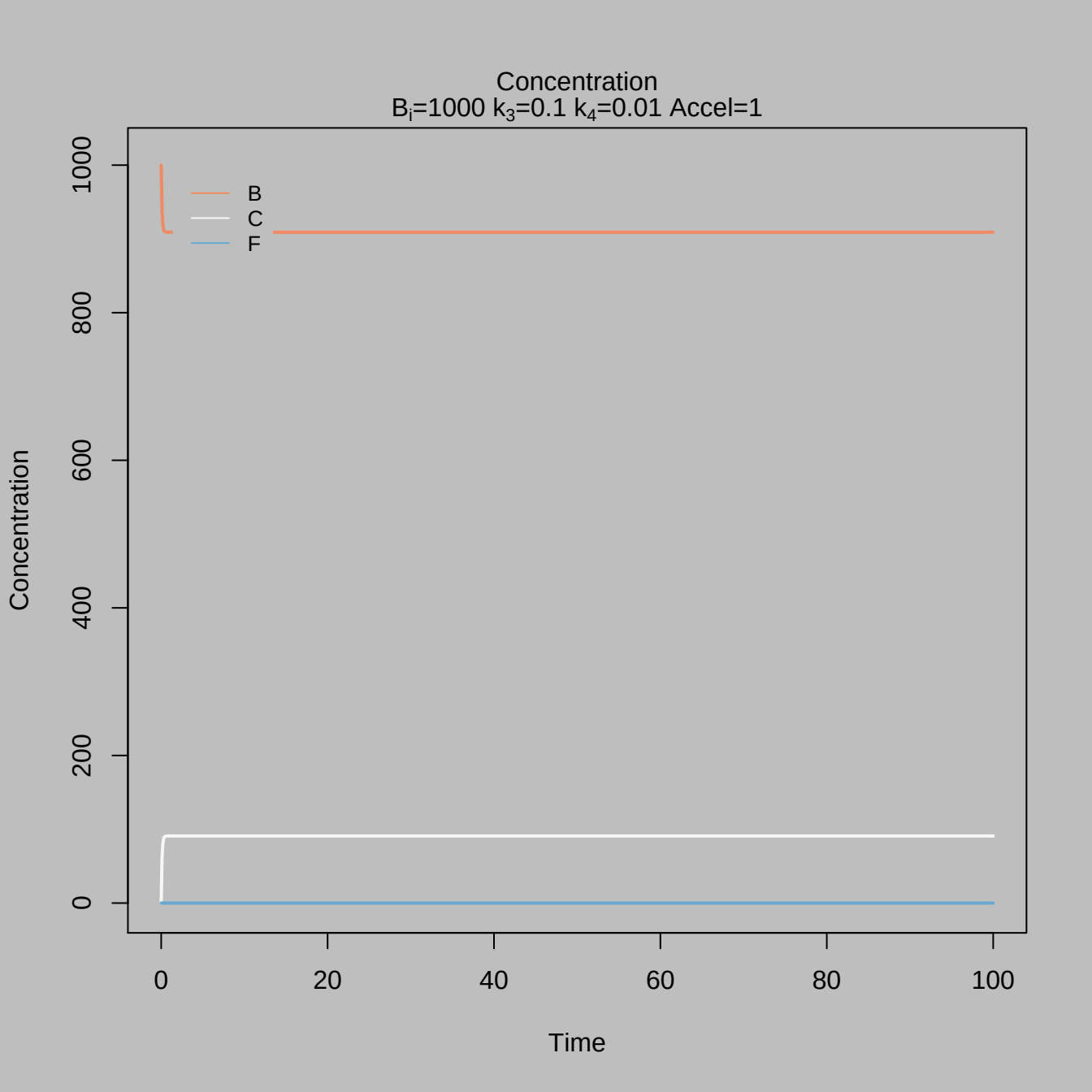
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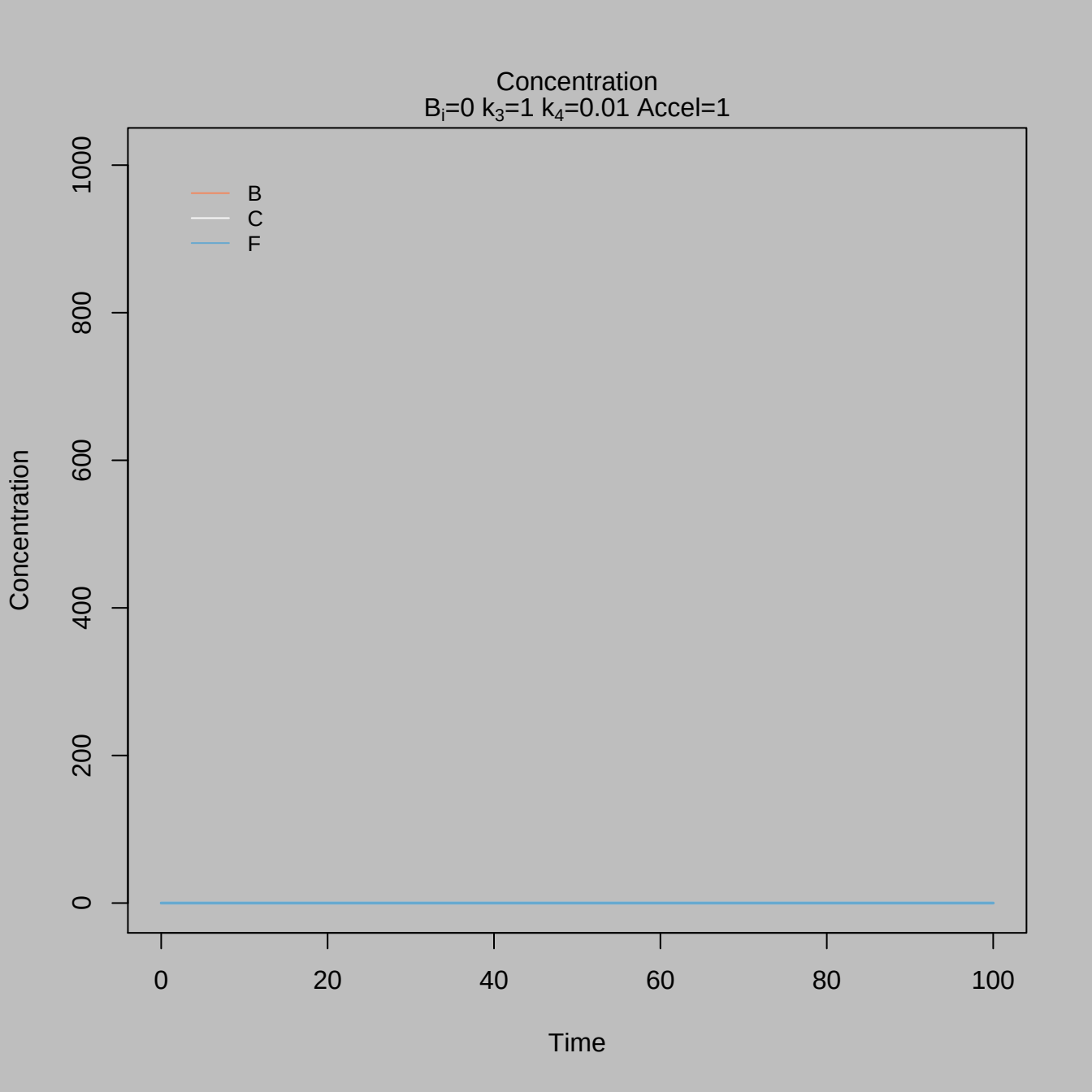
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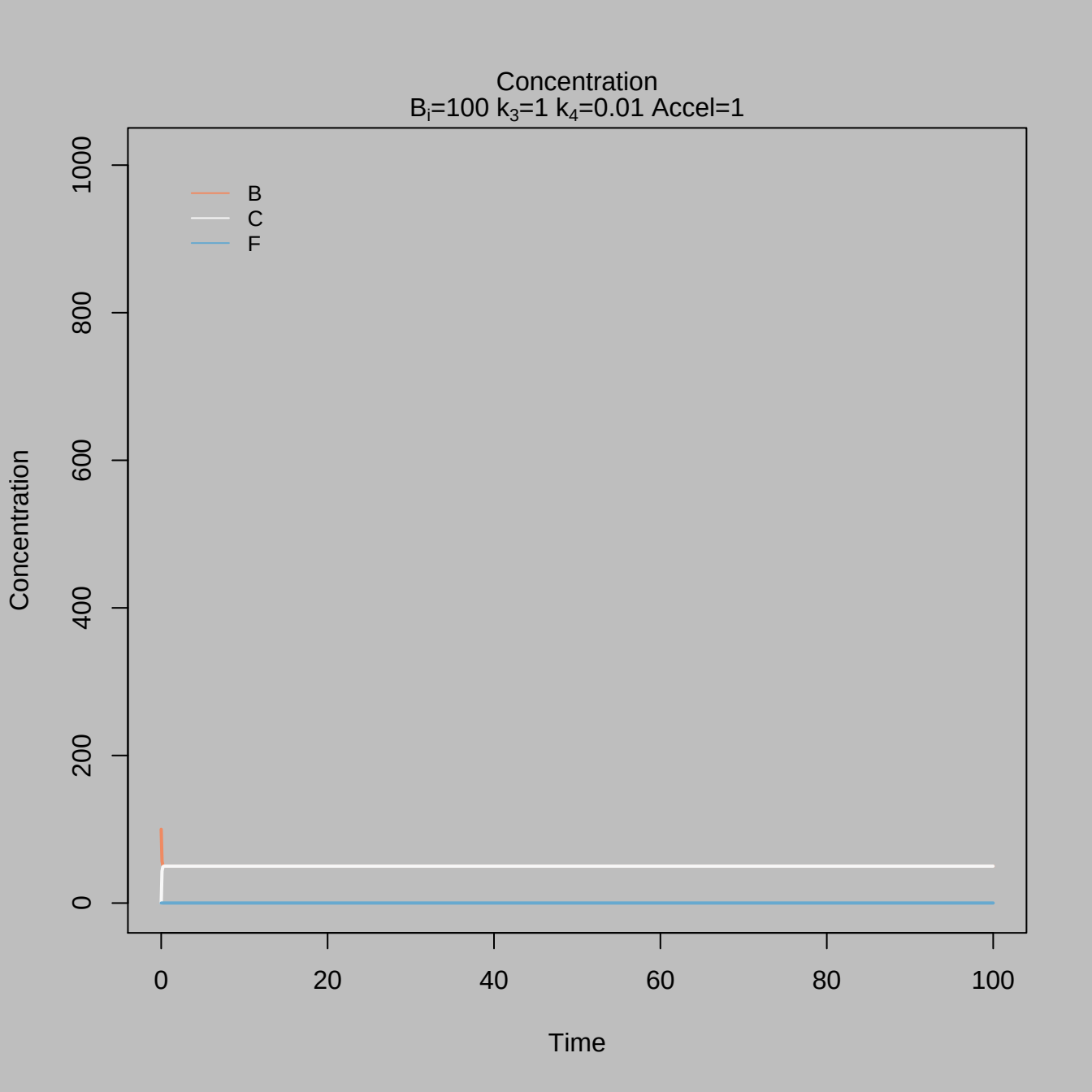
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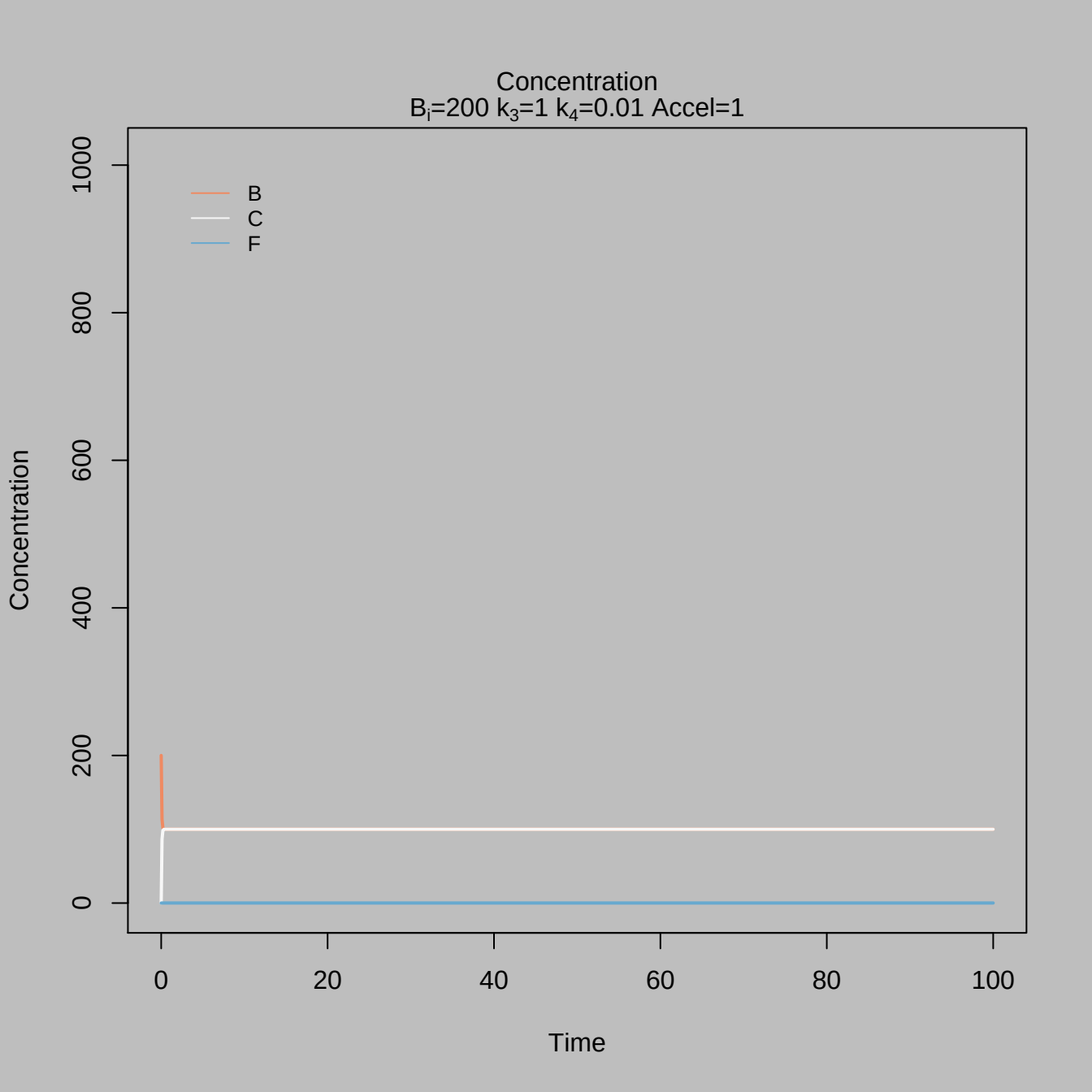
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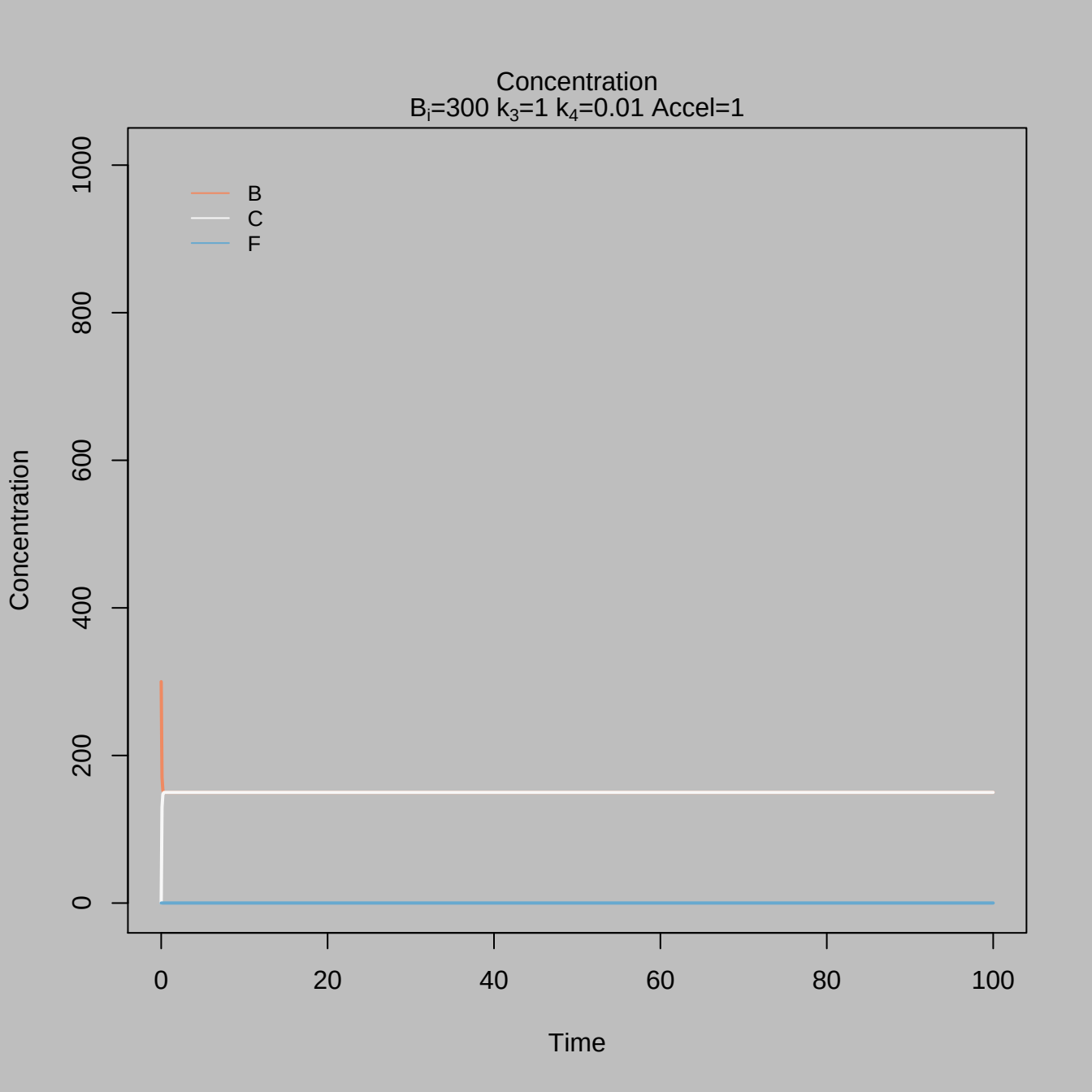
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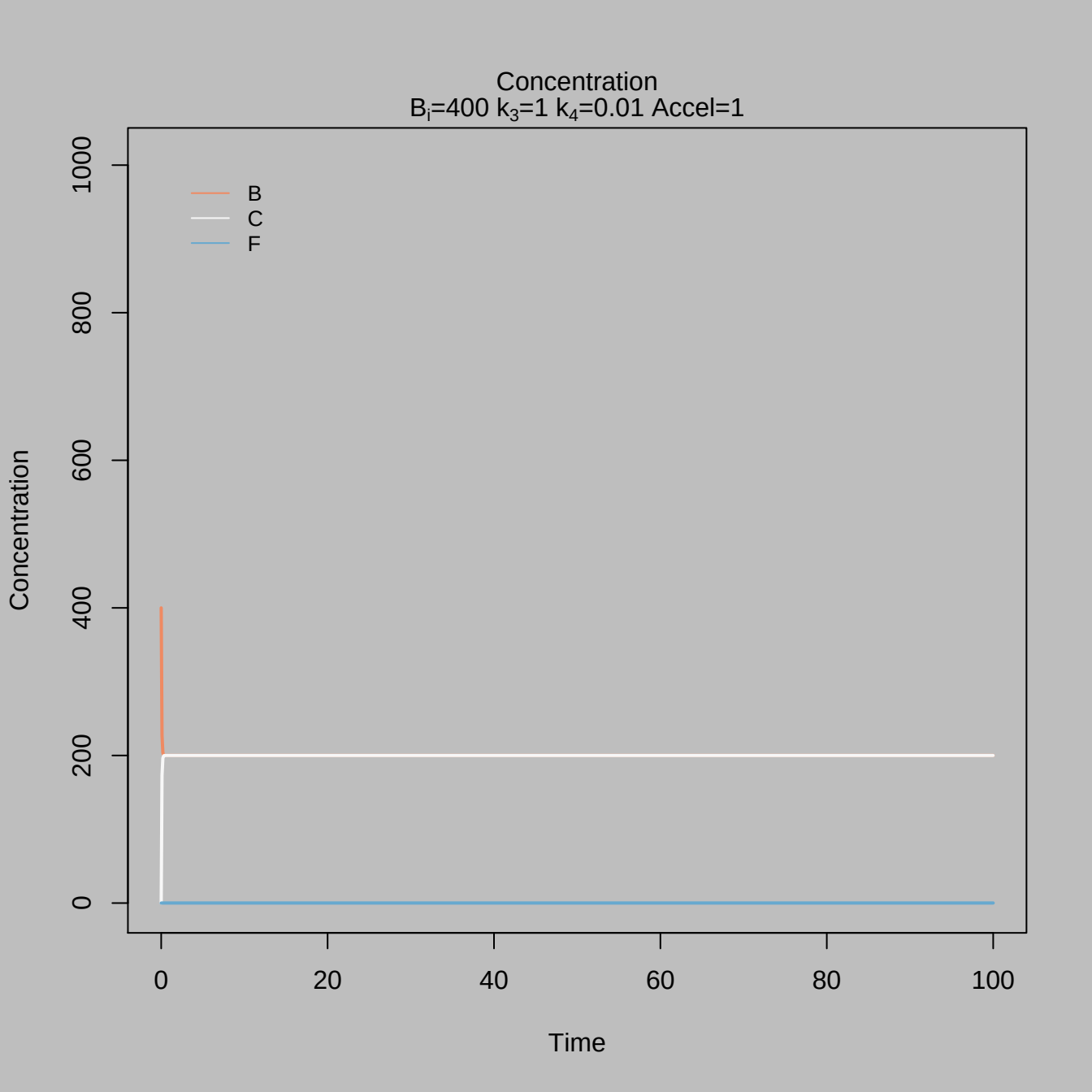
Time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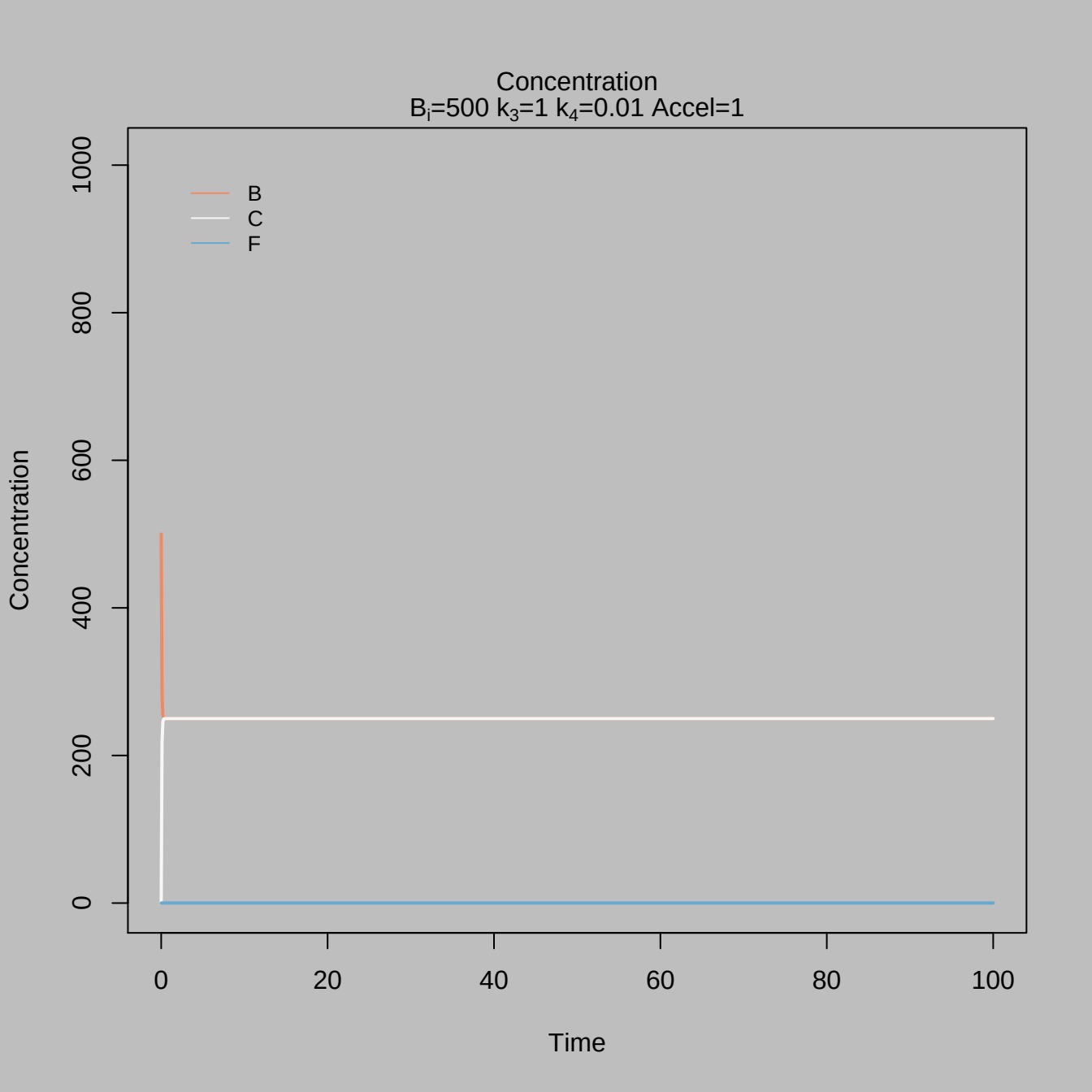
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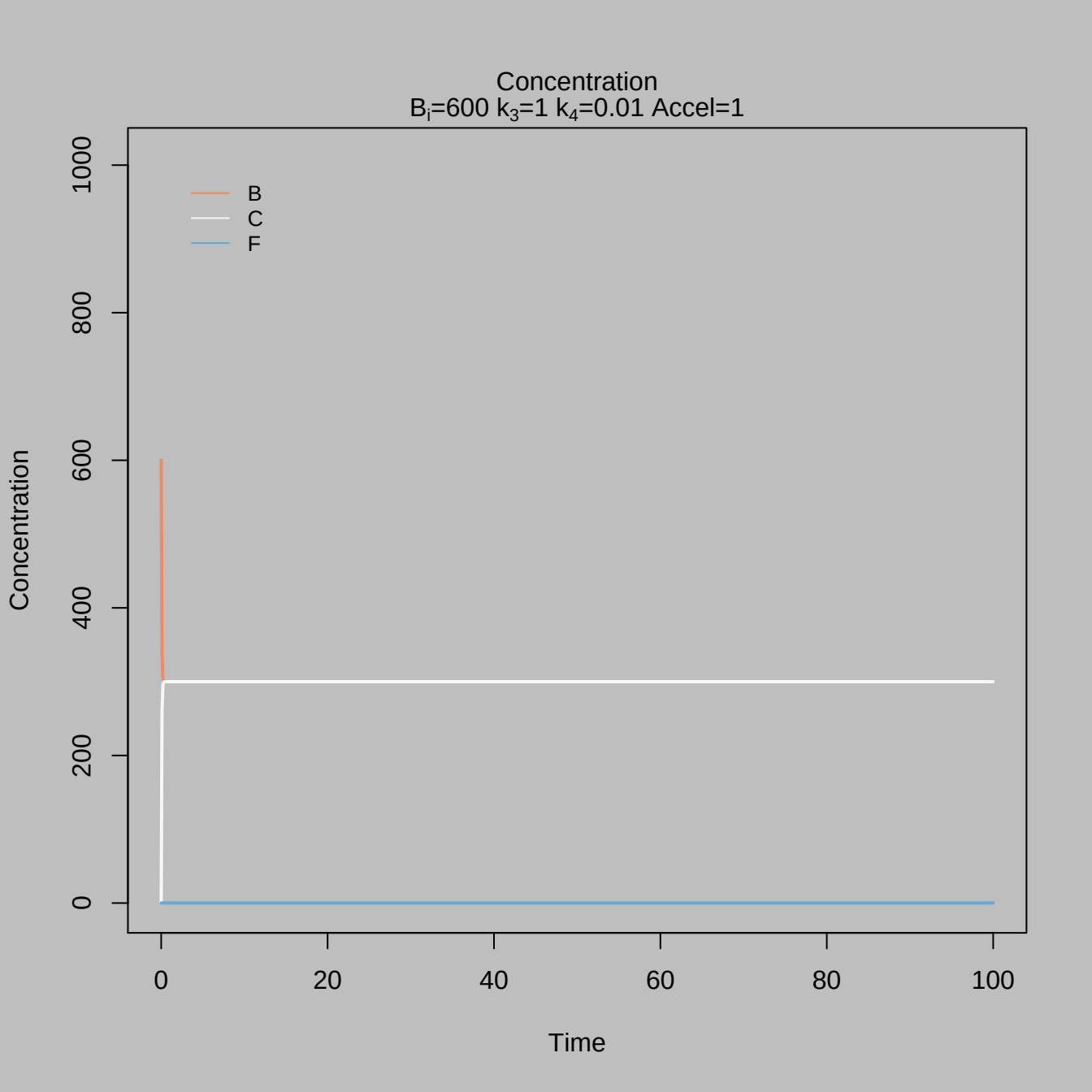
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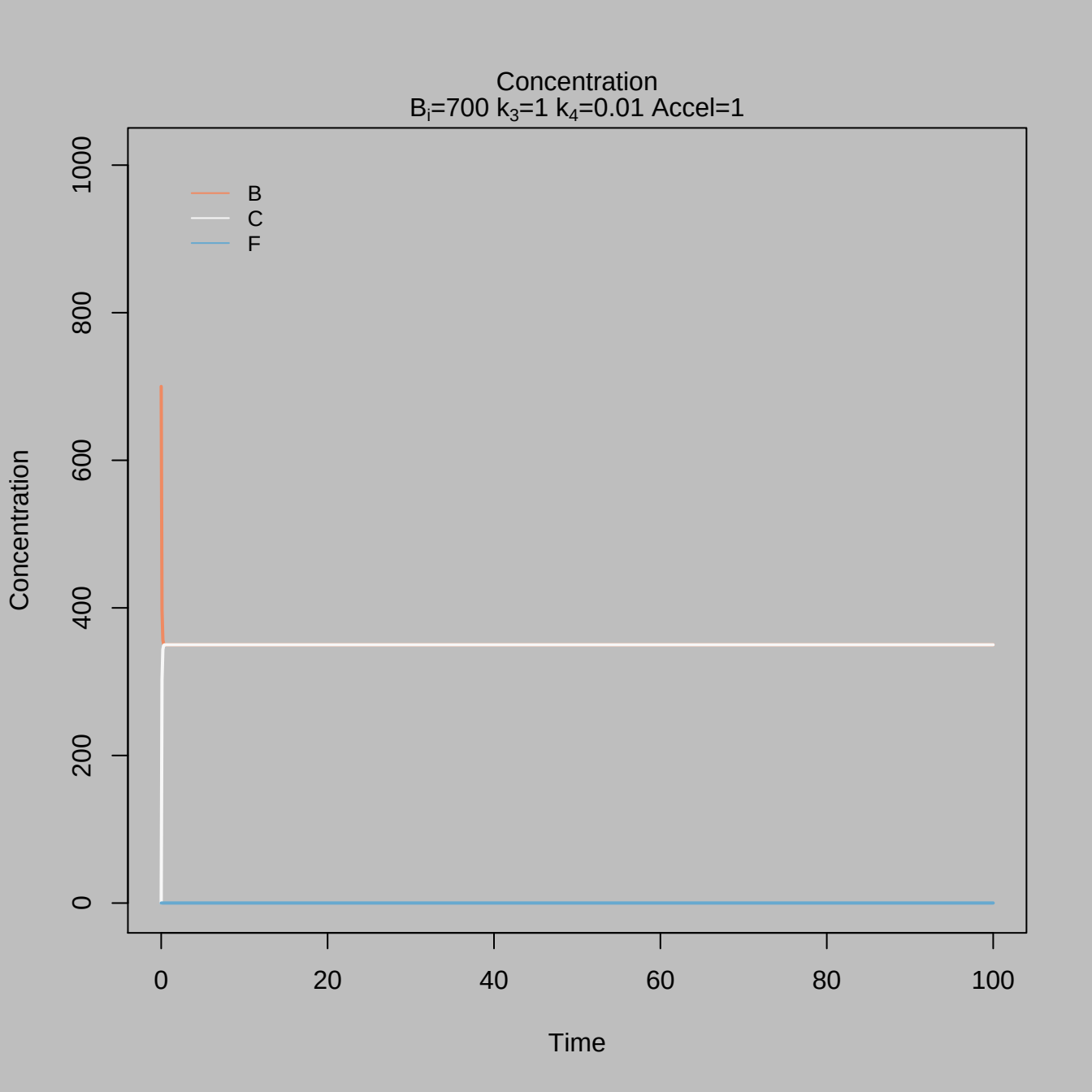
Time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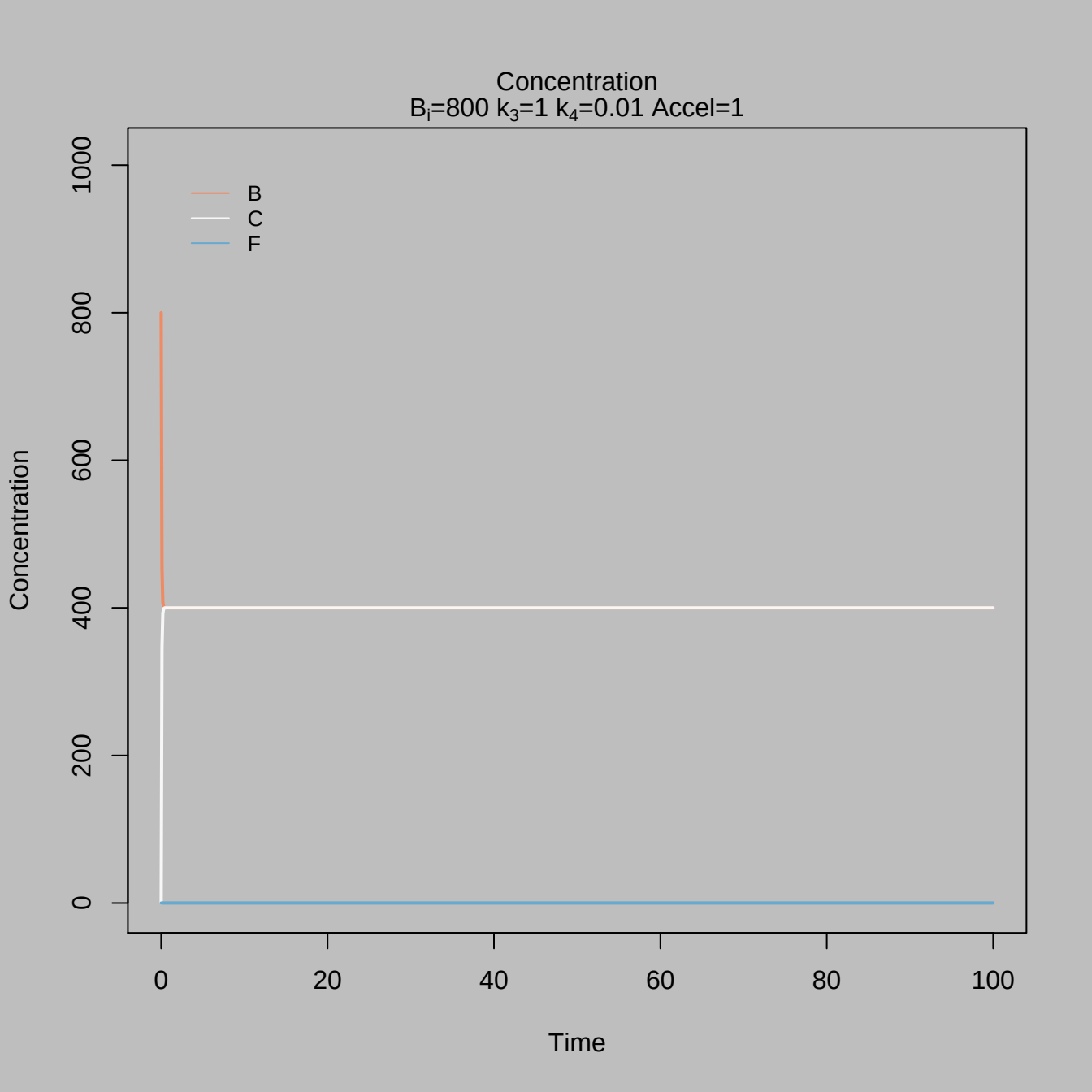
Time


Concentration
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Concentration
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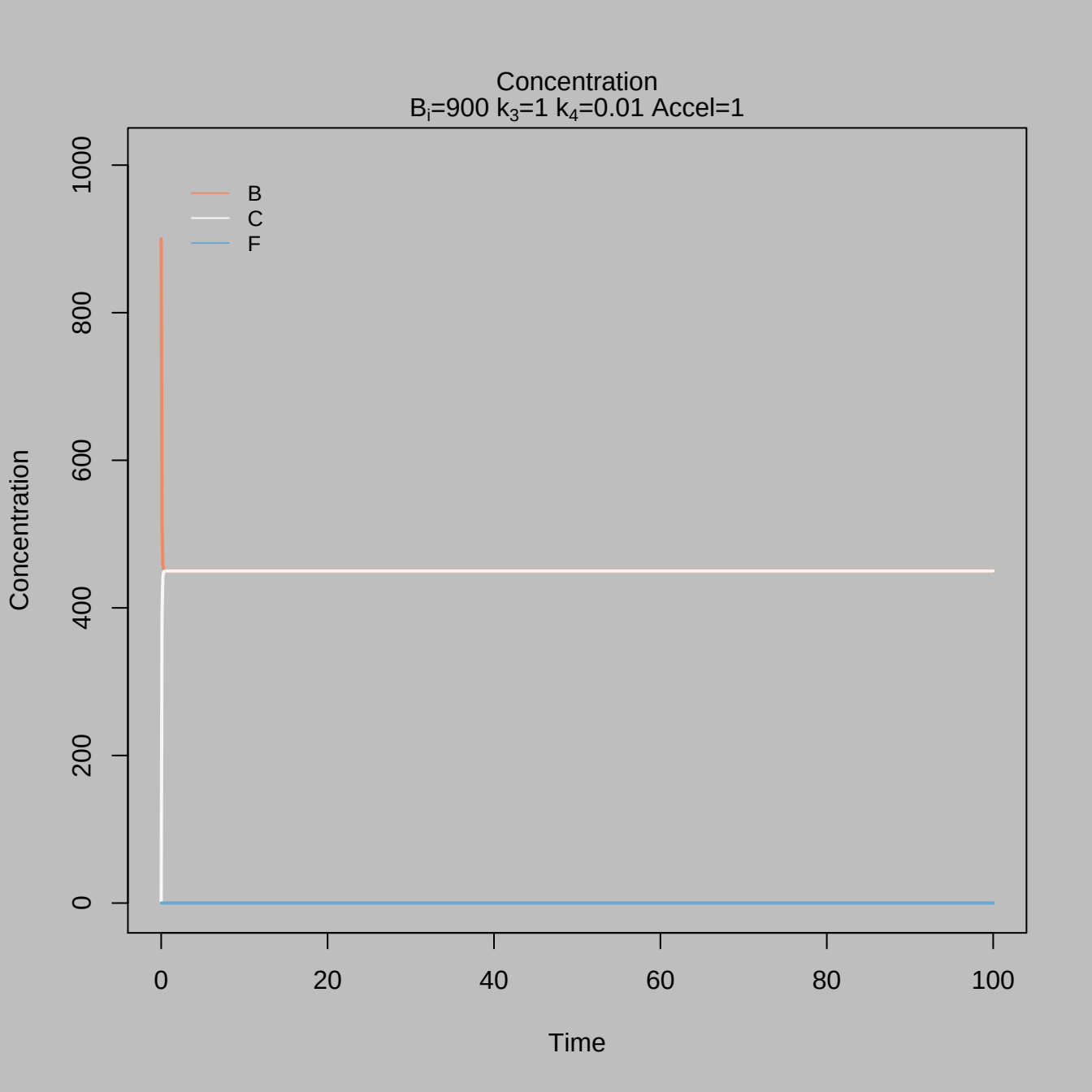
Time


Concentration
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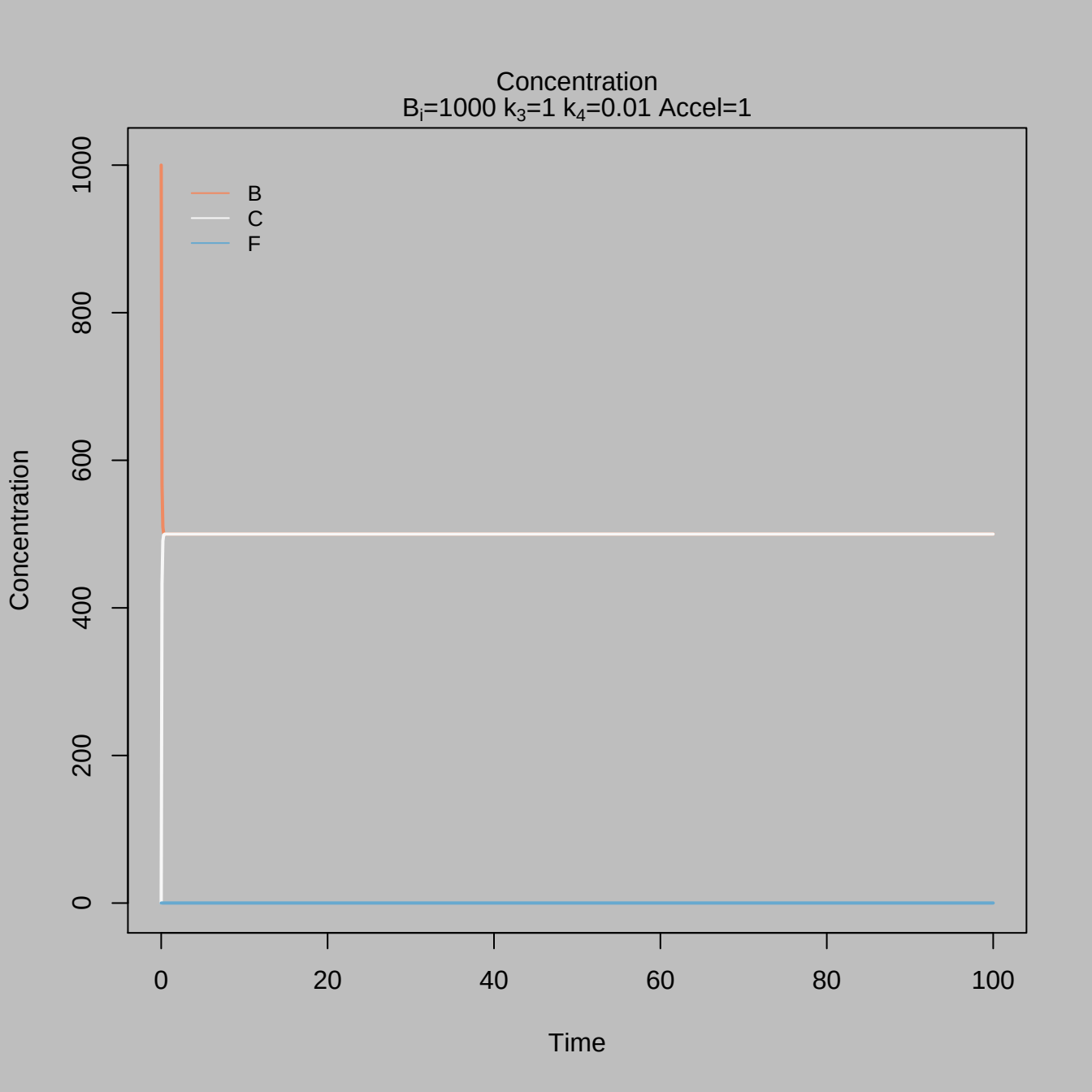
Time


Concentration
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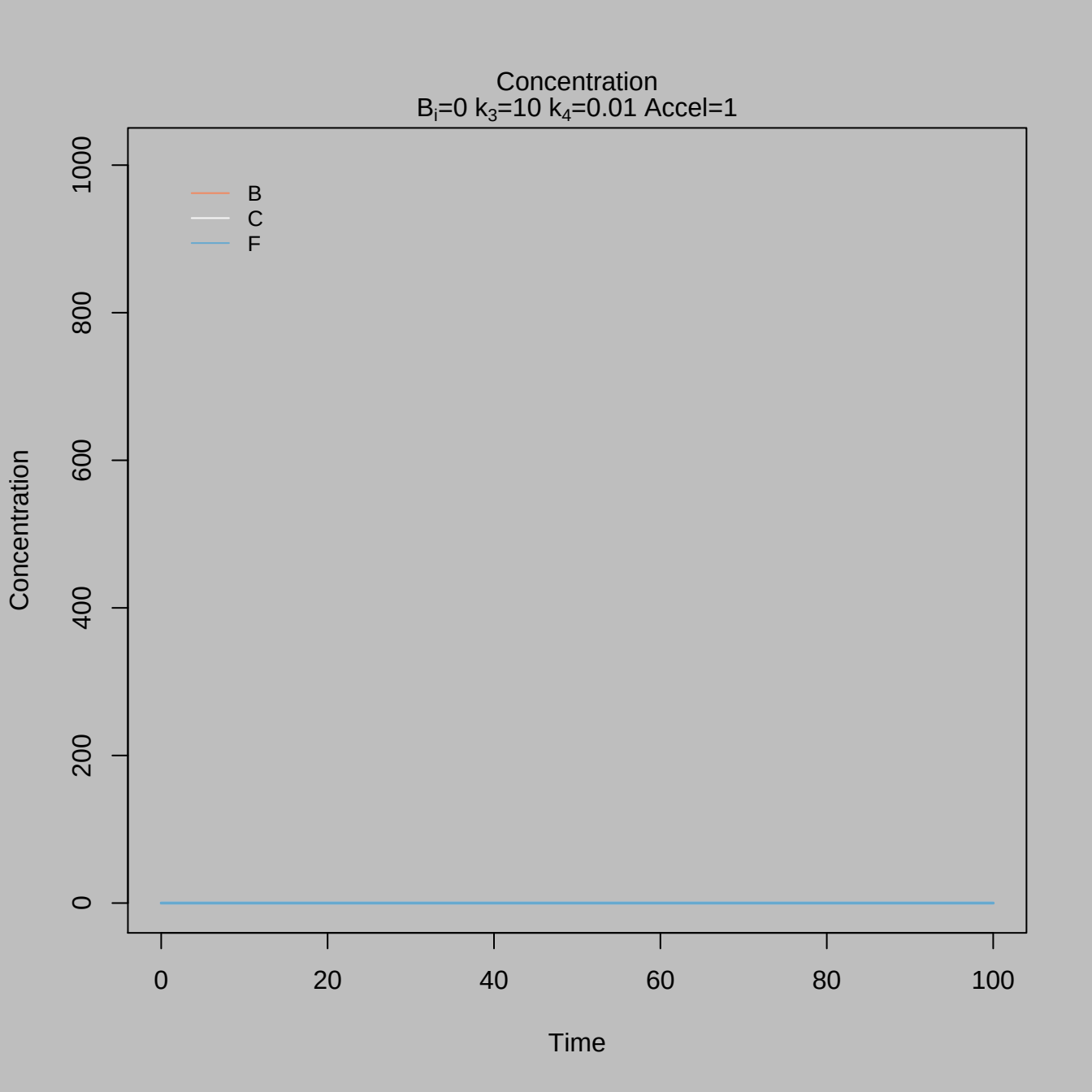
Time


Concentration
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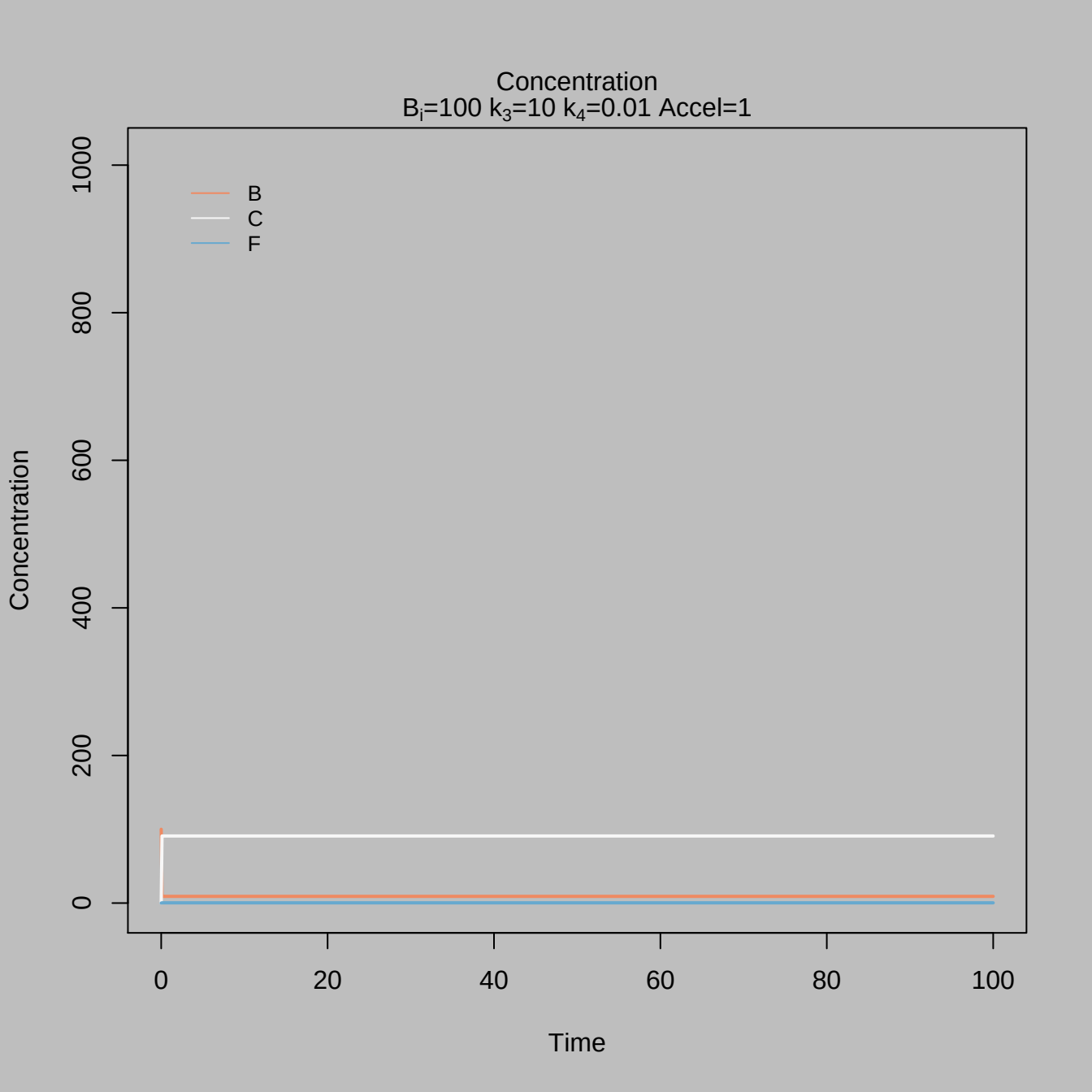
Time


Concentration
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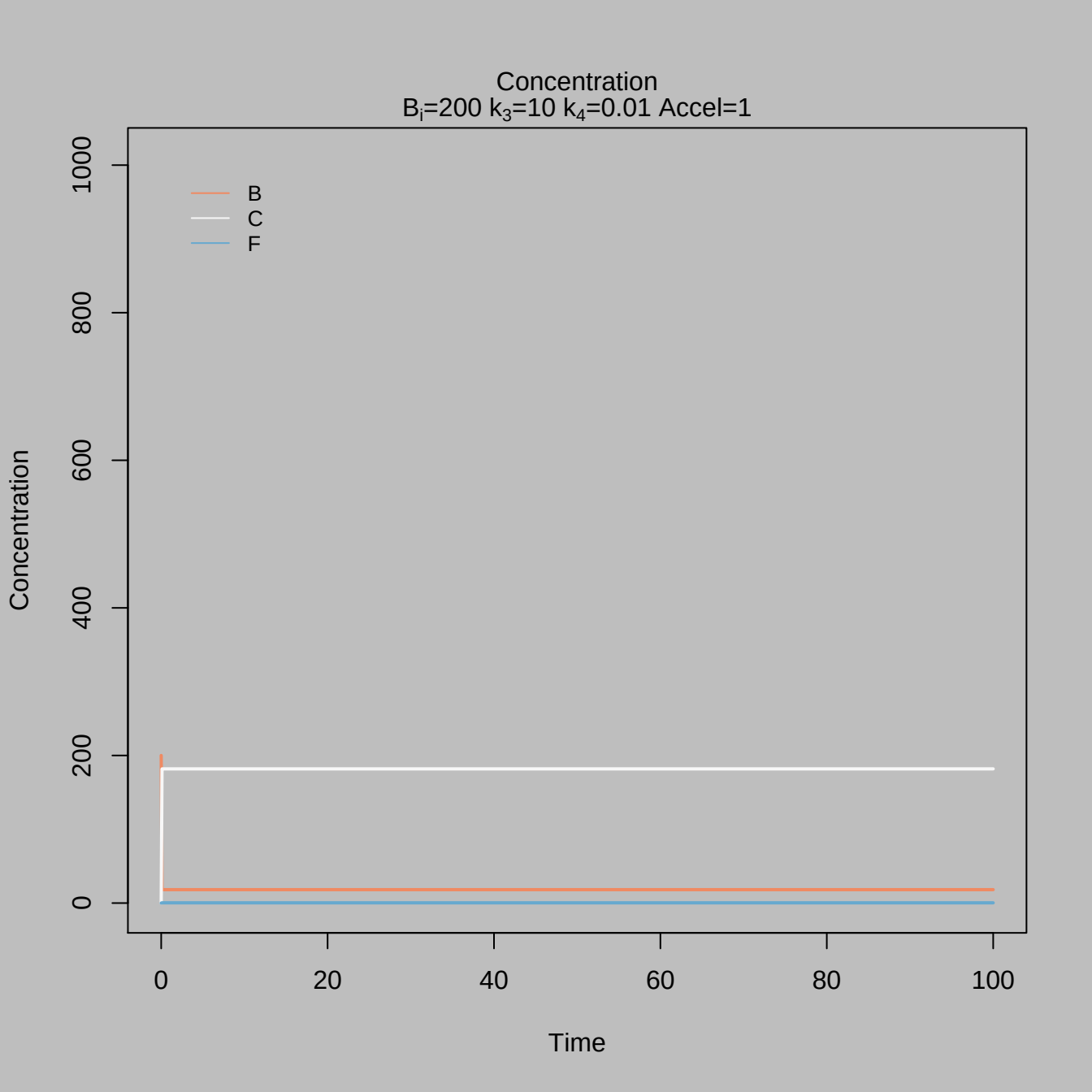
Time


Concentration
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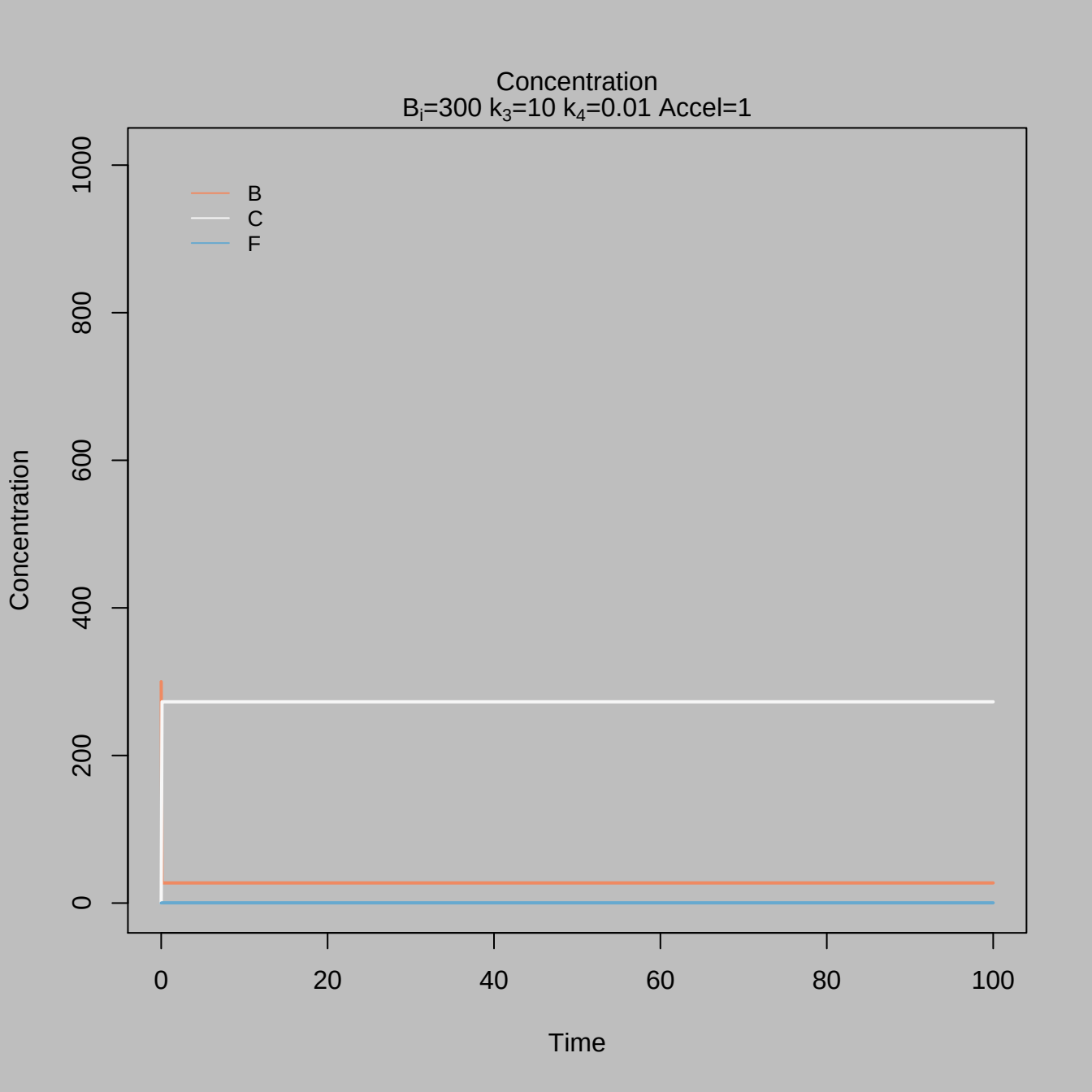
Time


Concentration
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Concentration
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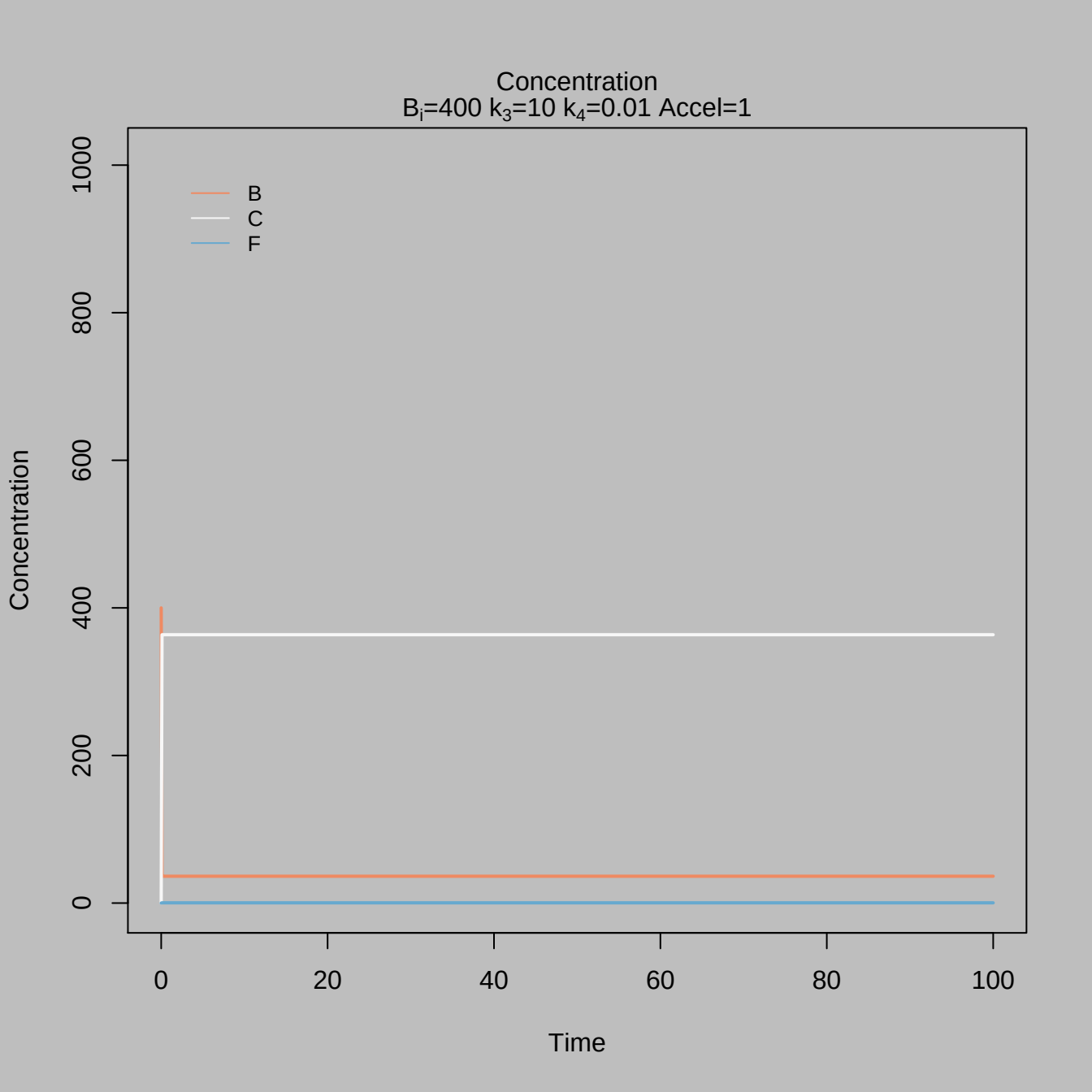
Time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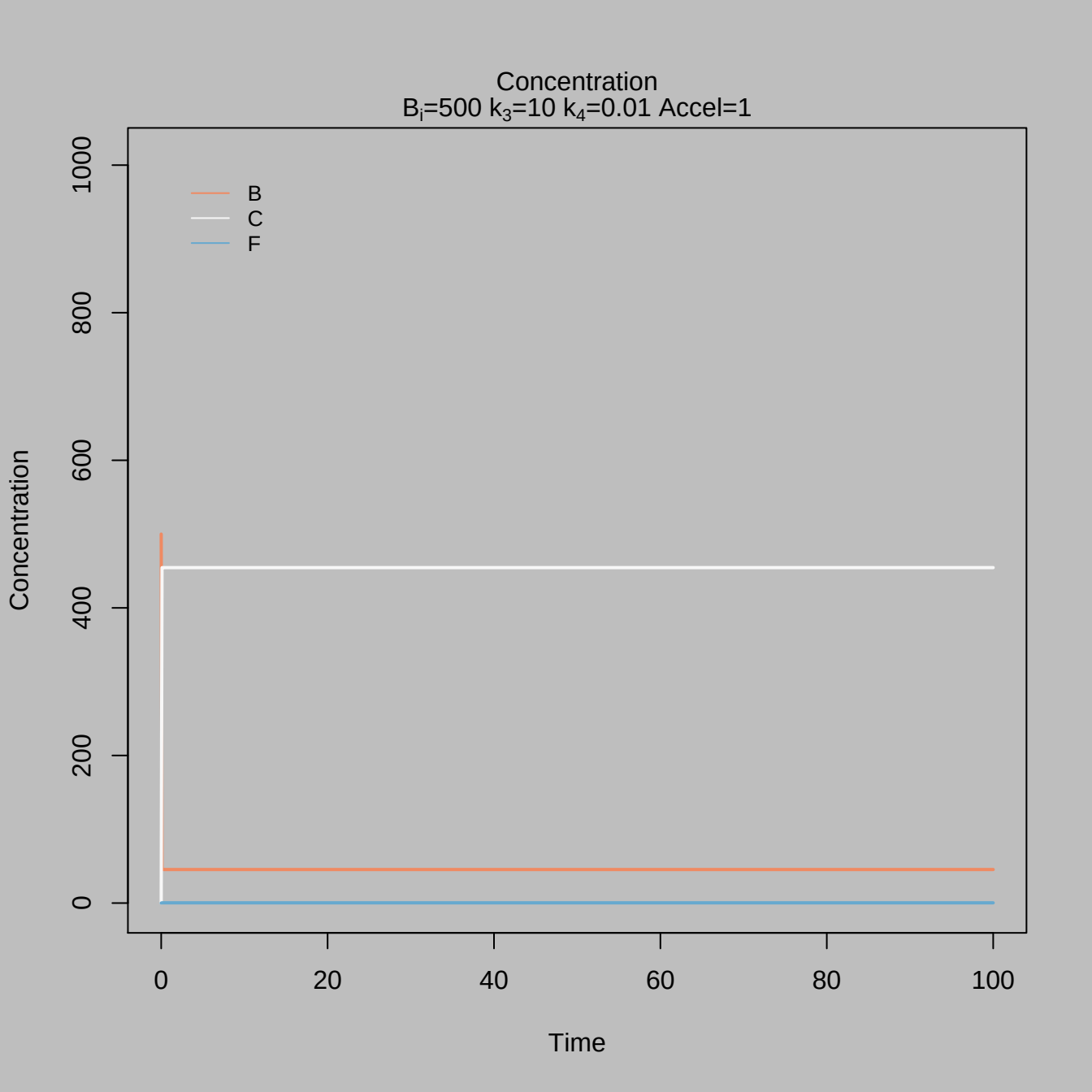
Concentration
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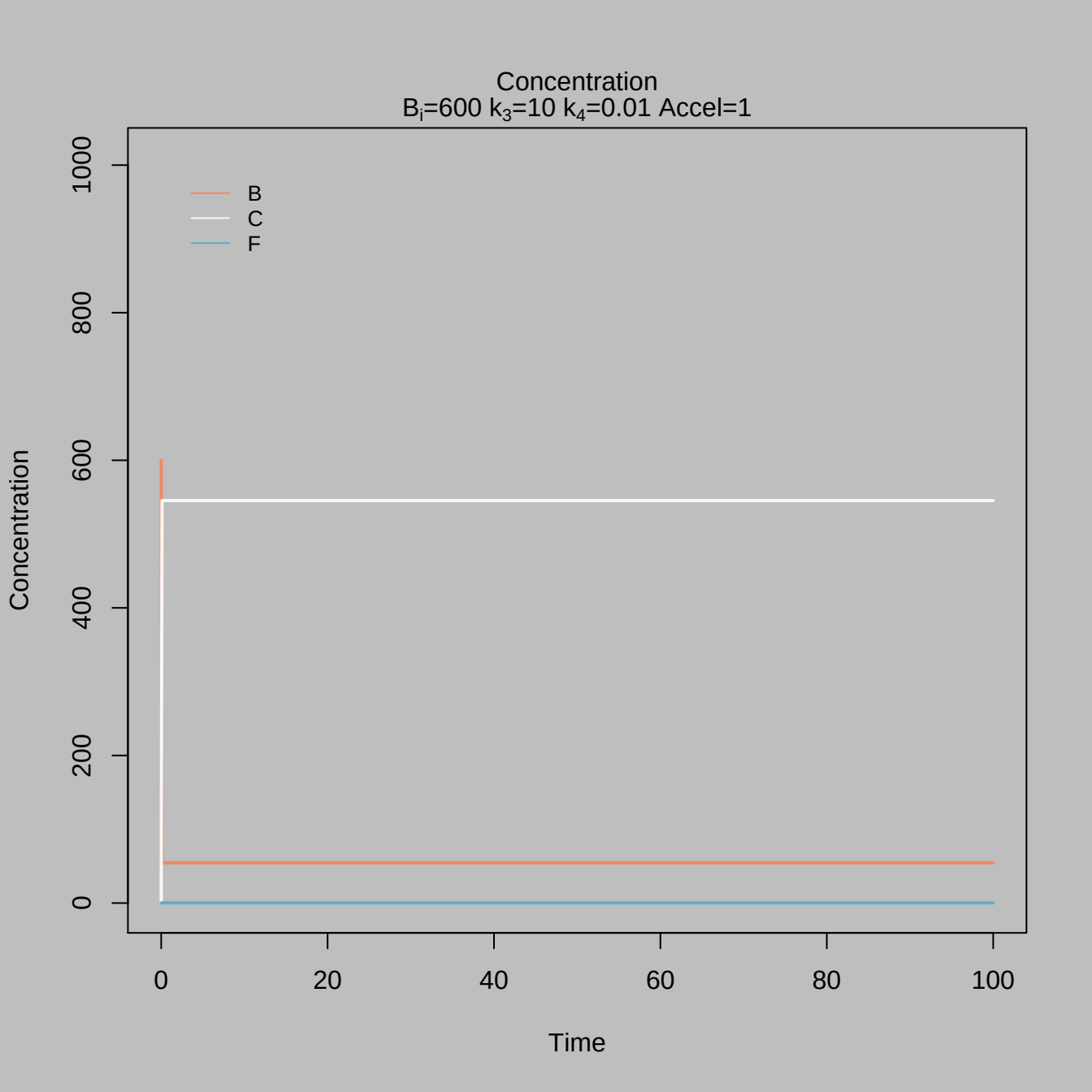
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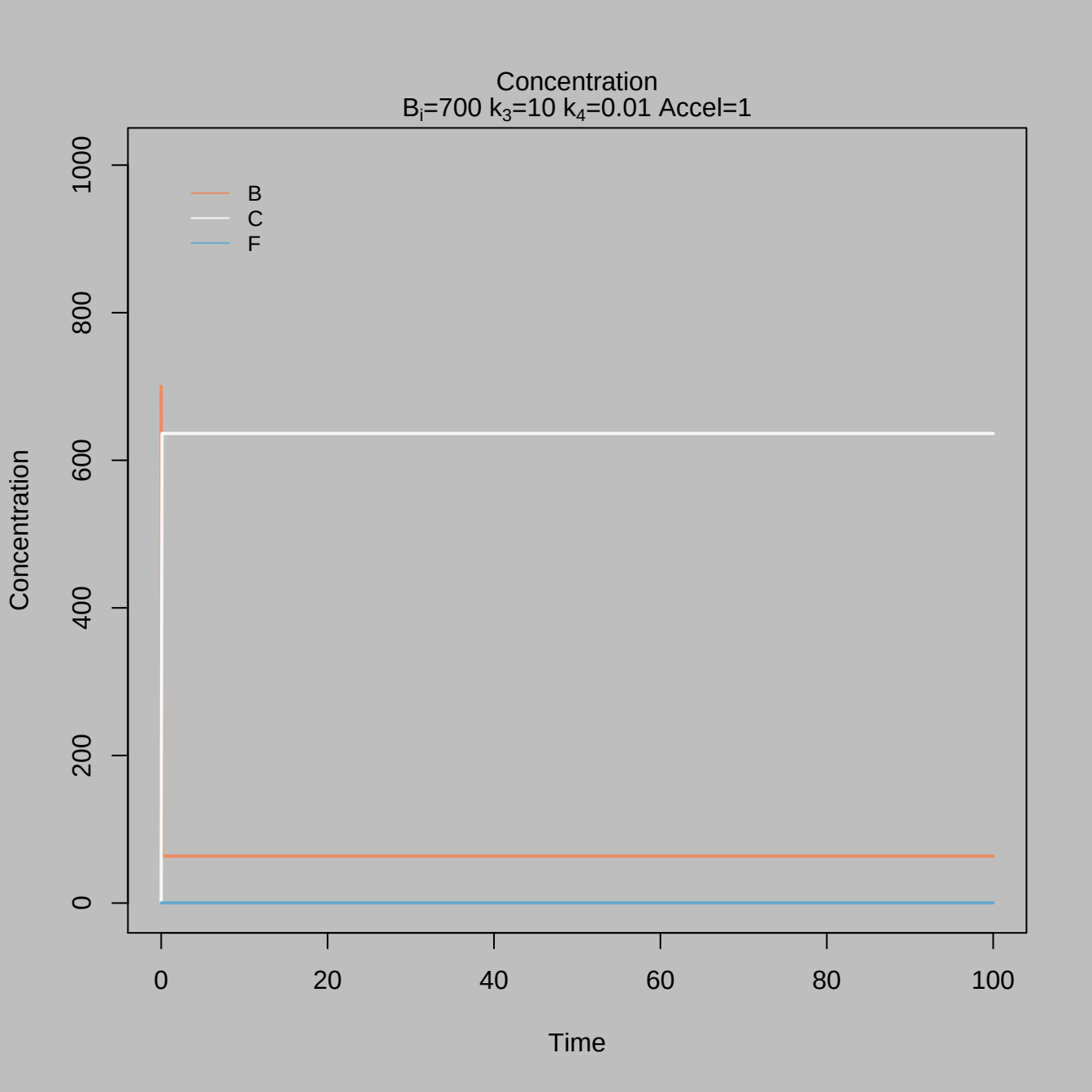
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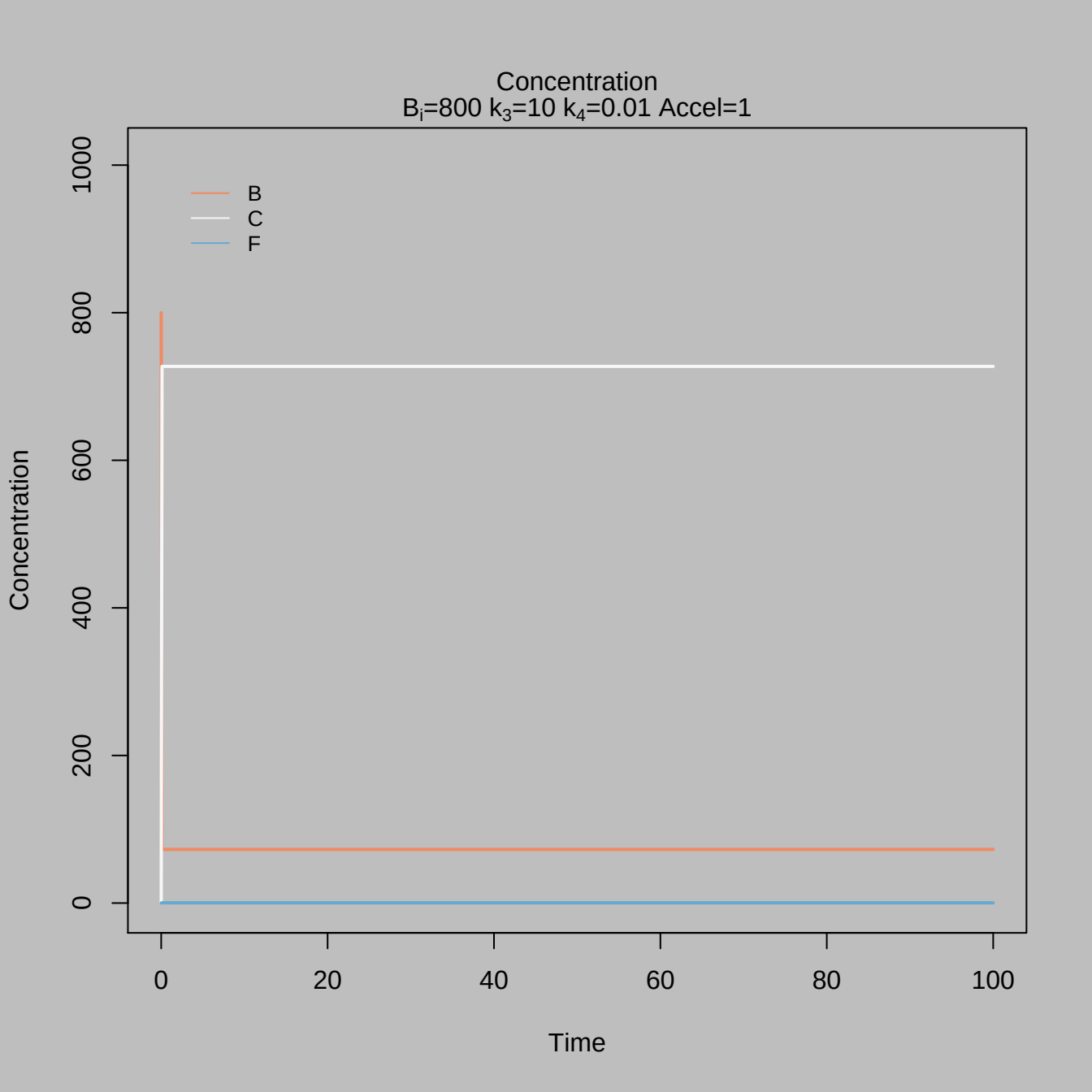
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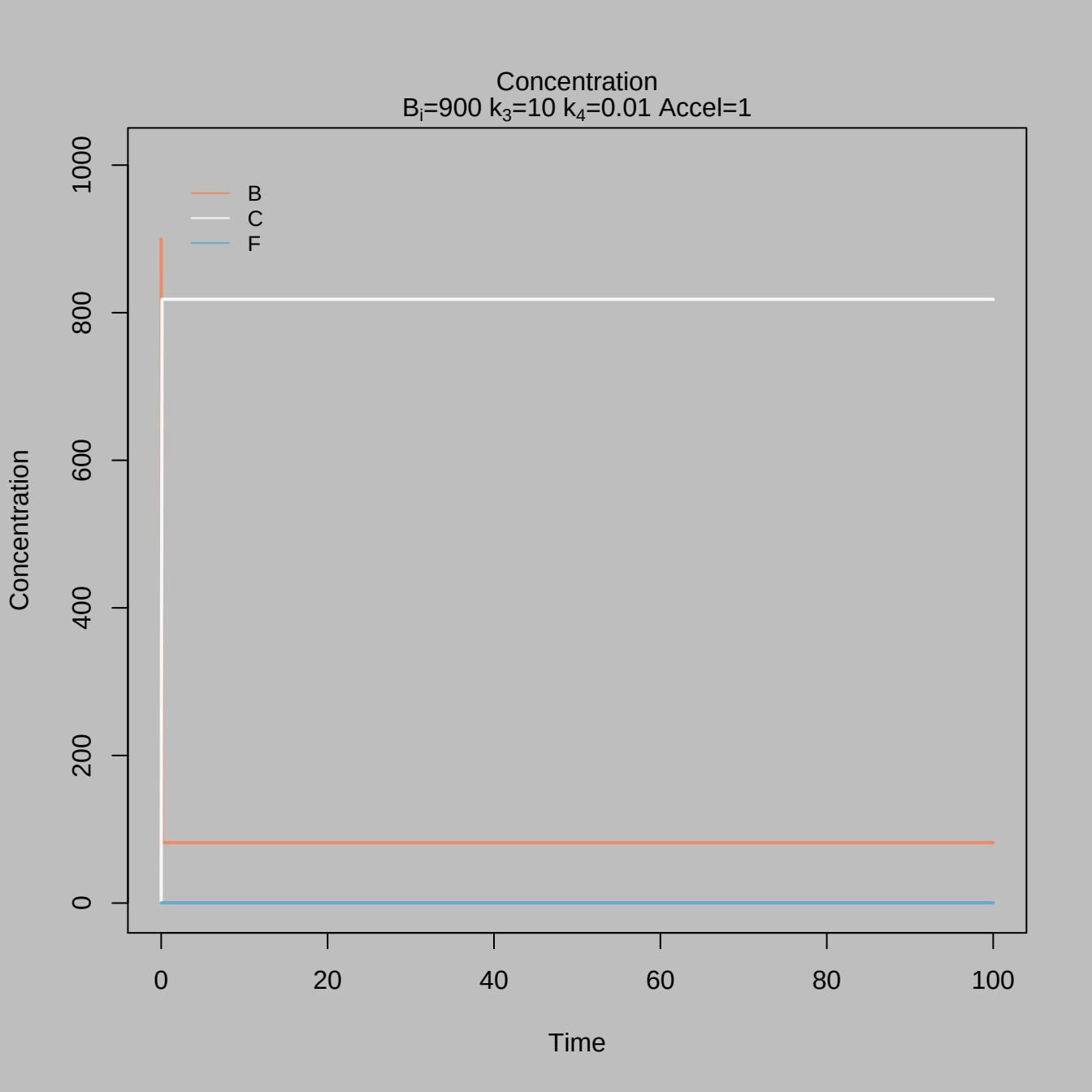
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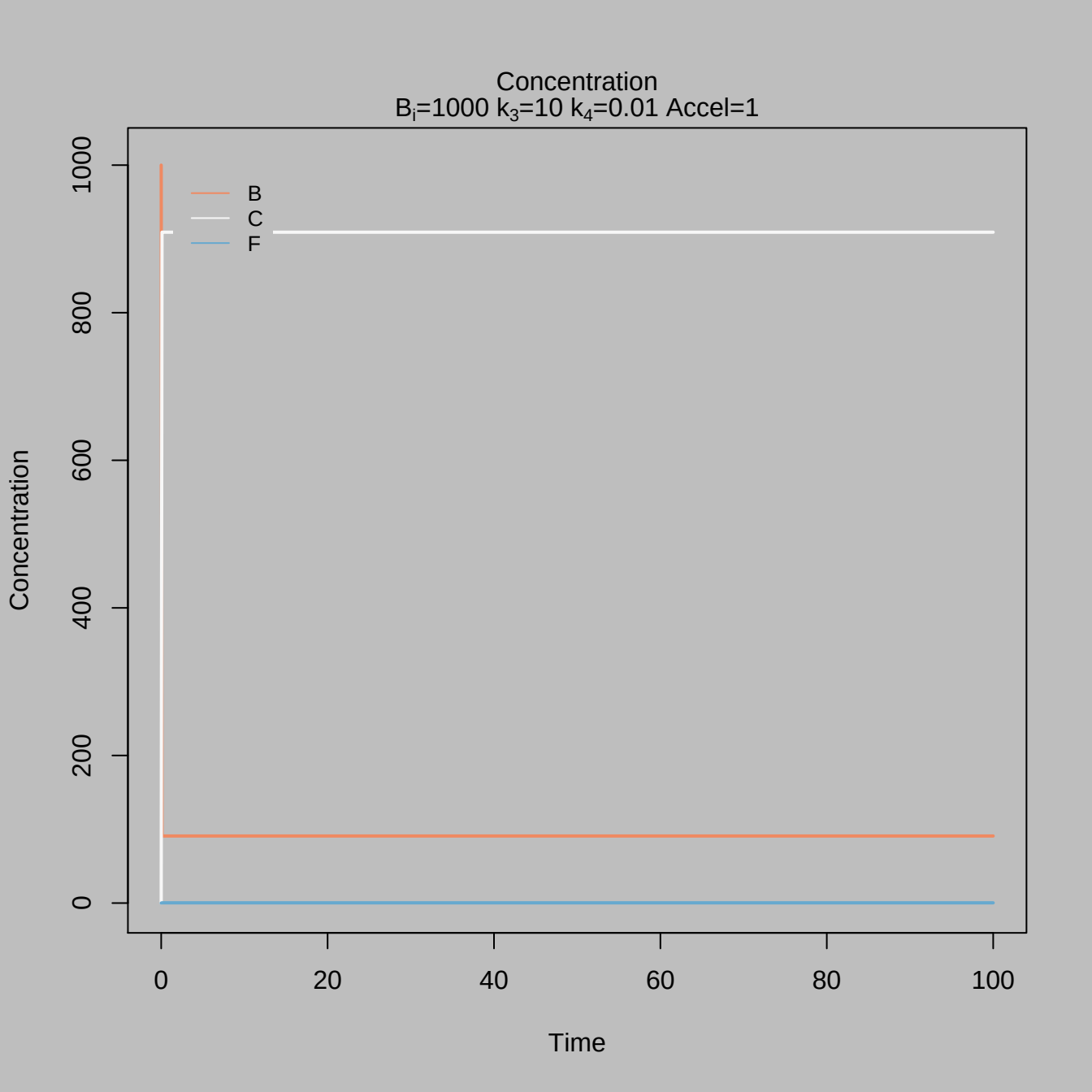
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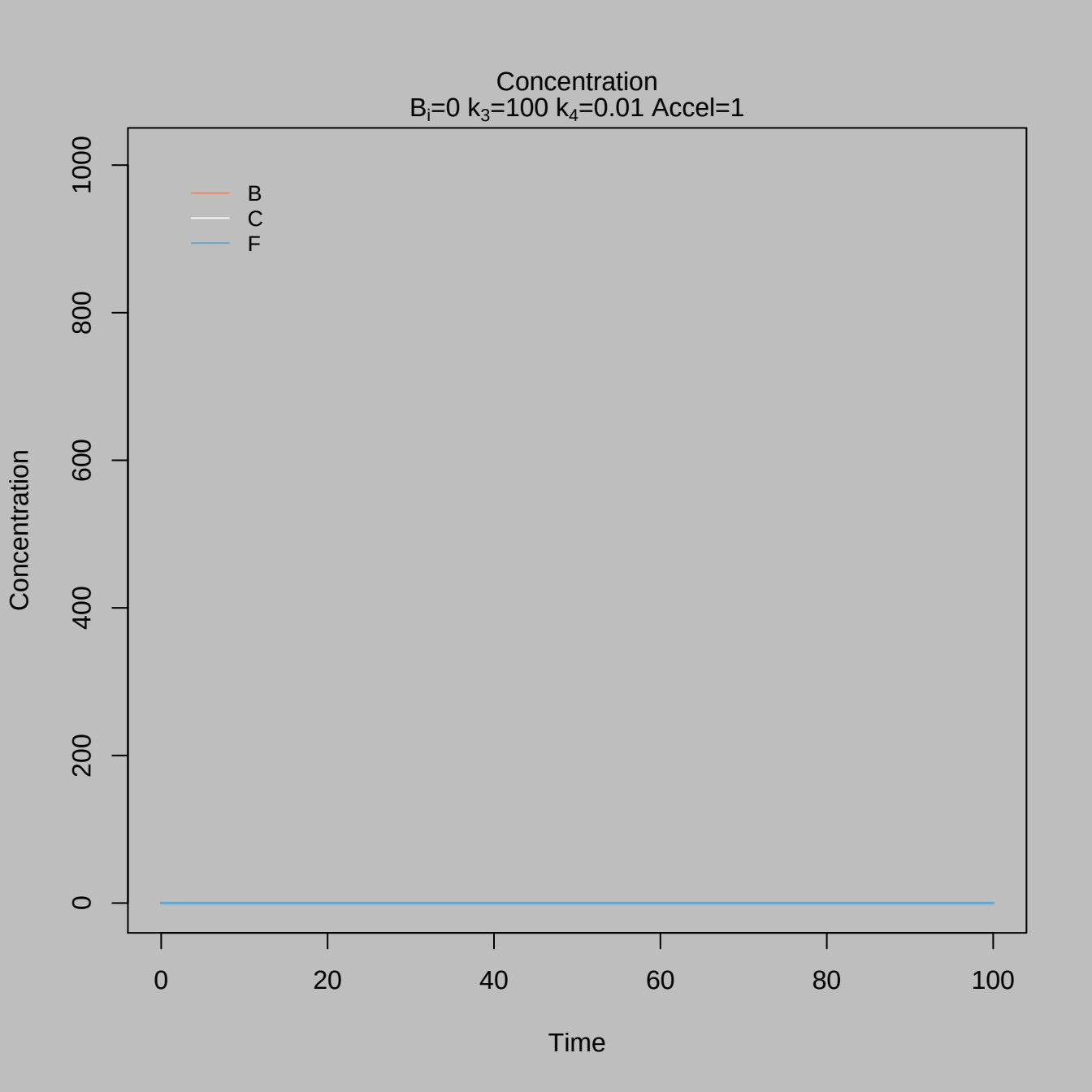
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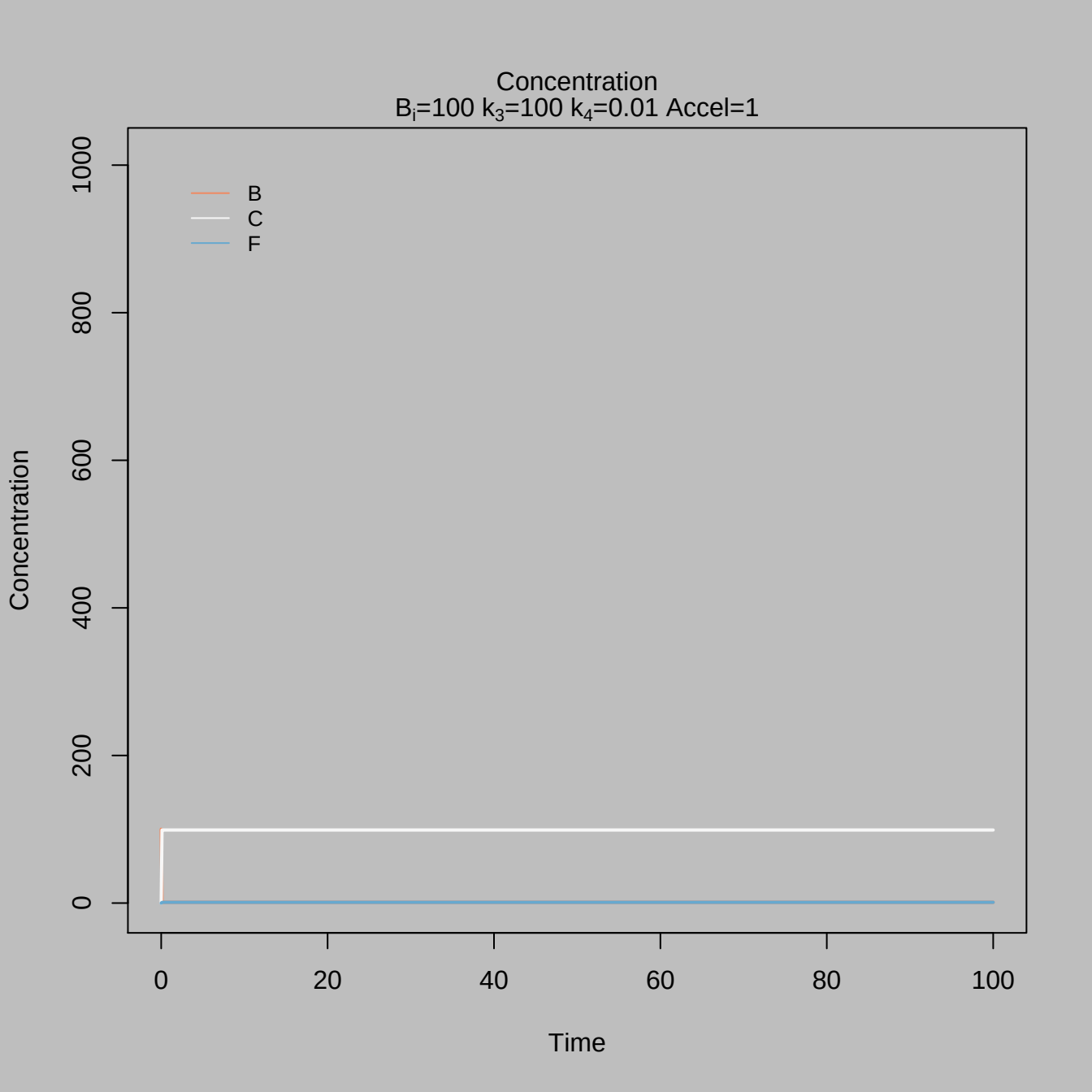
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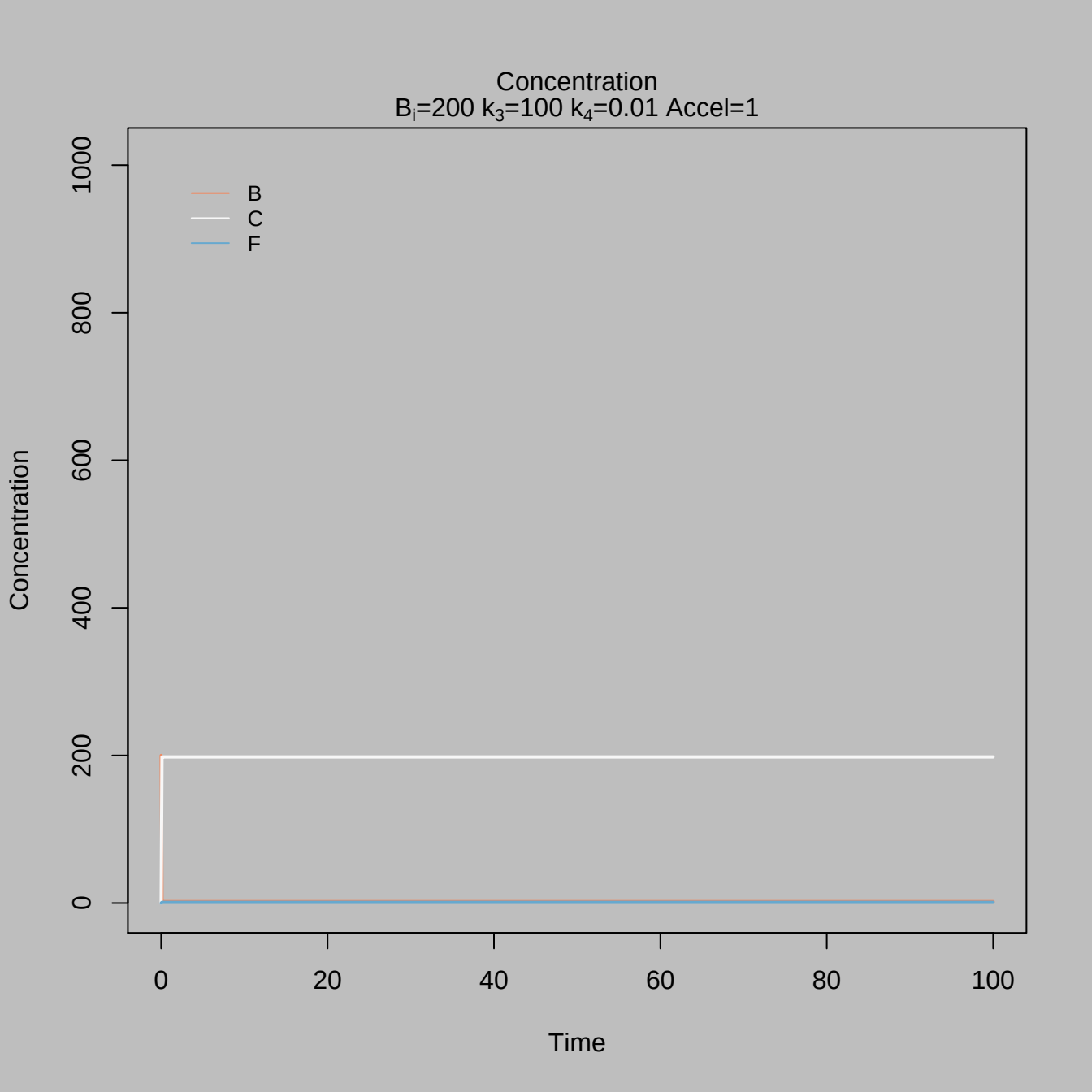
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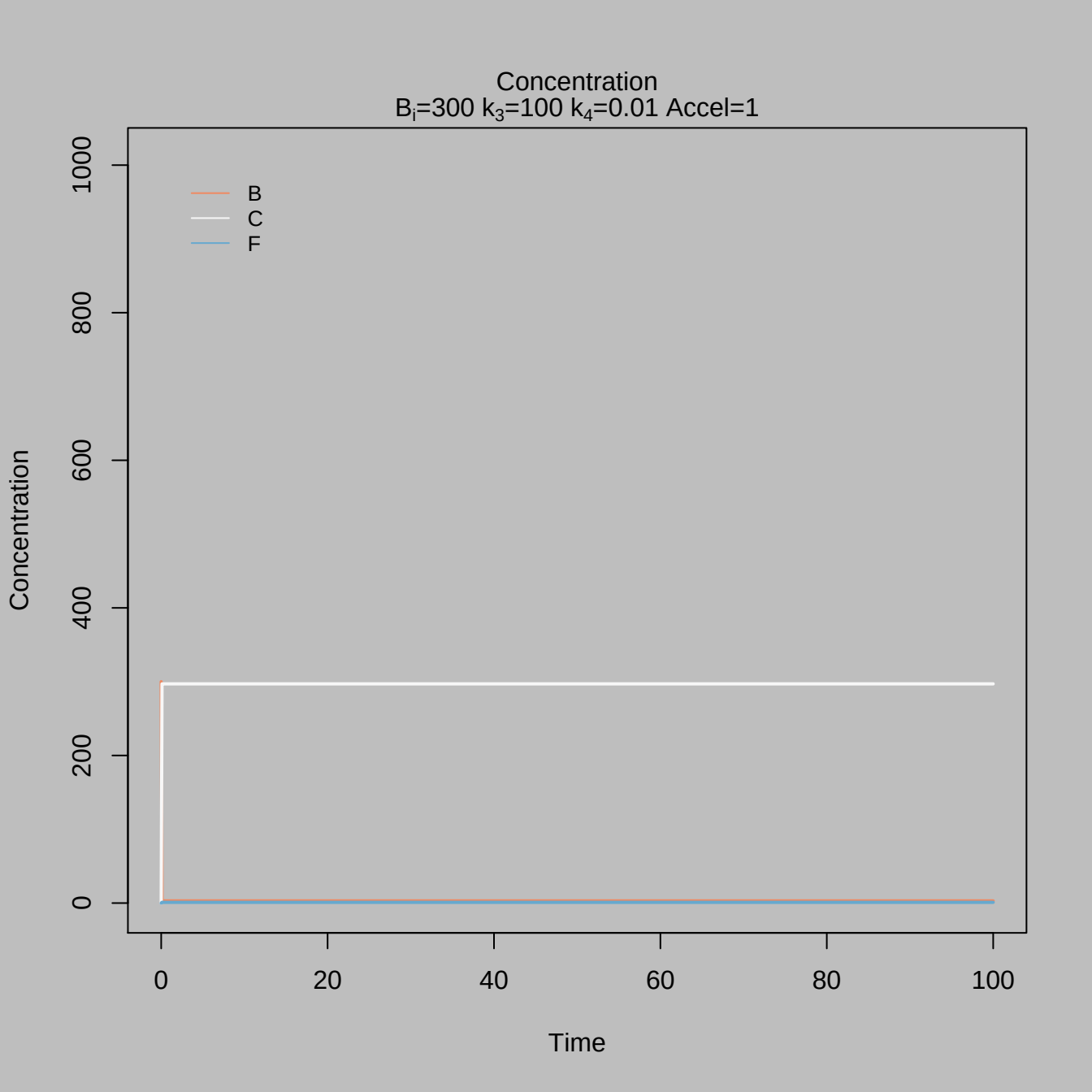
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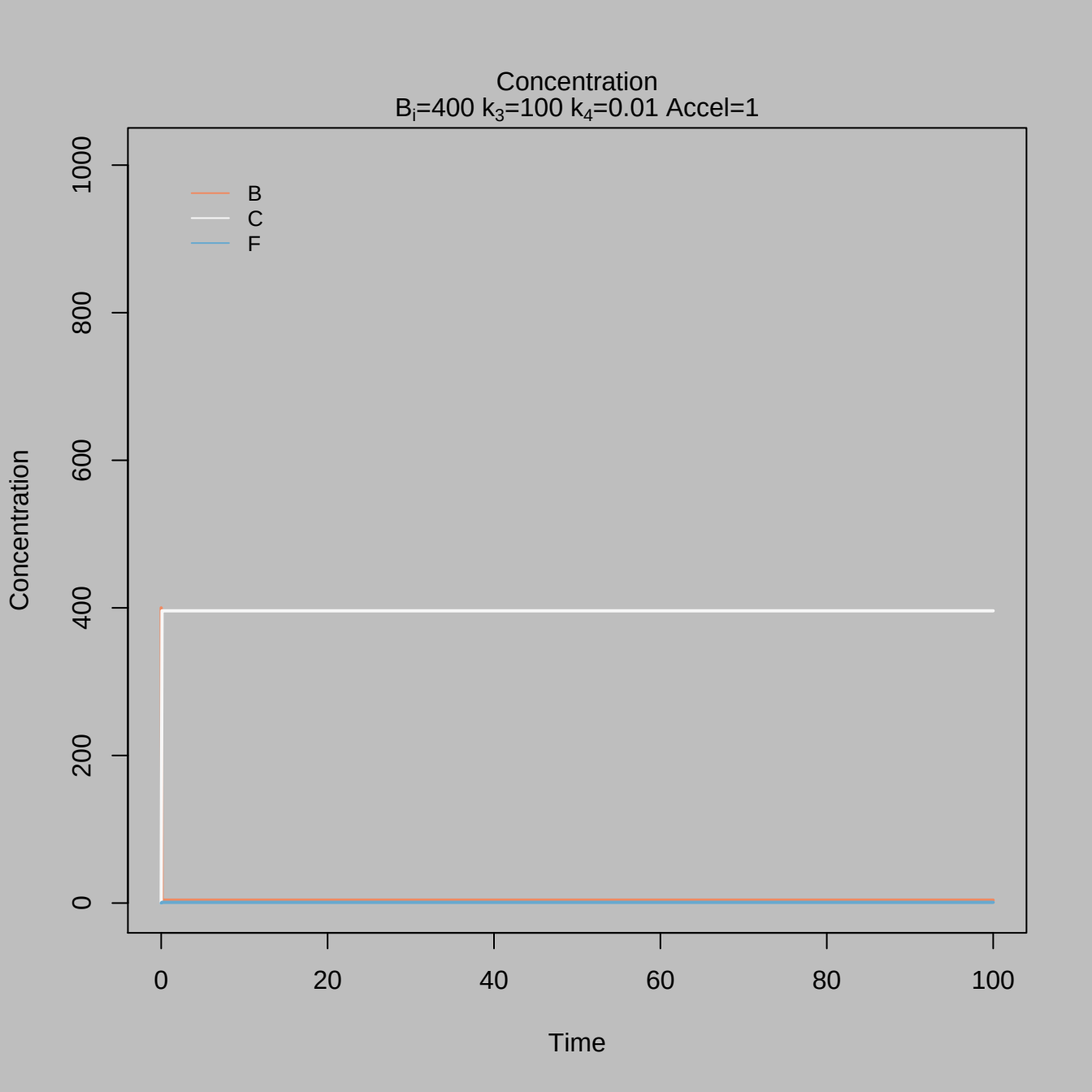
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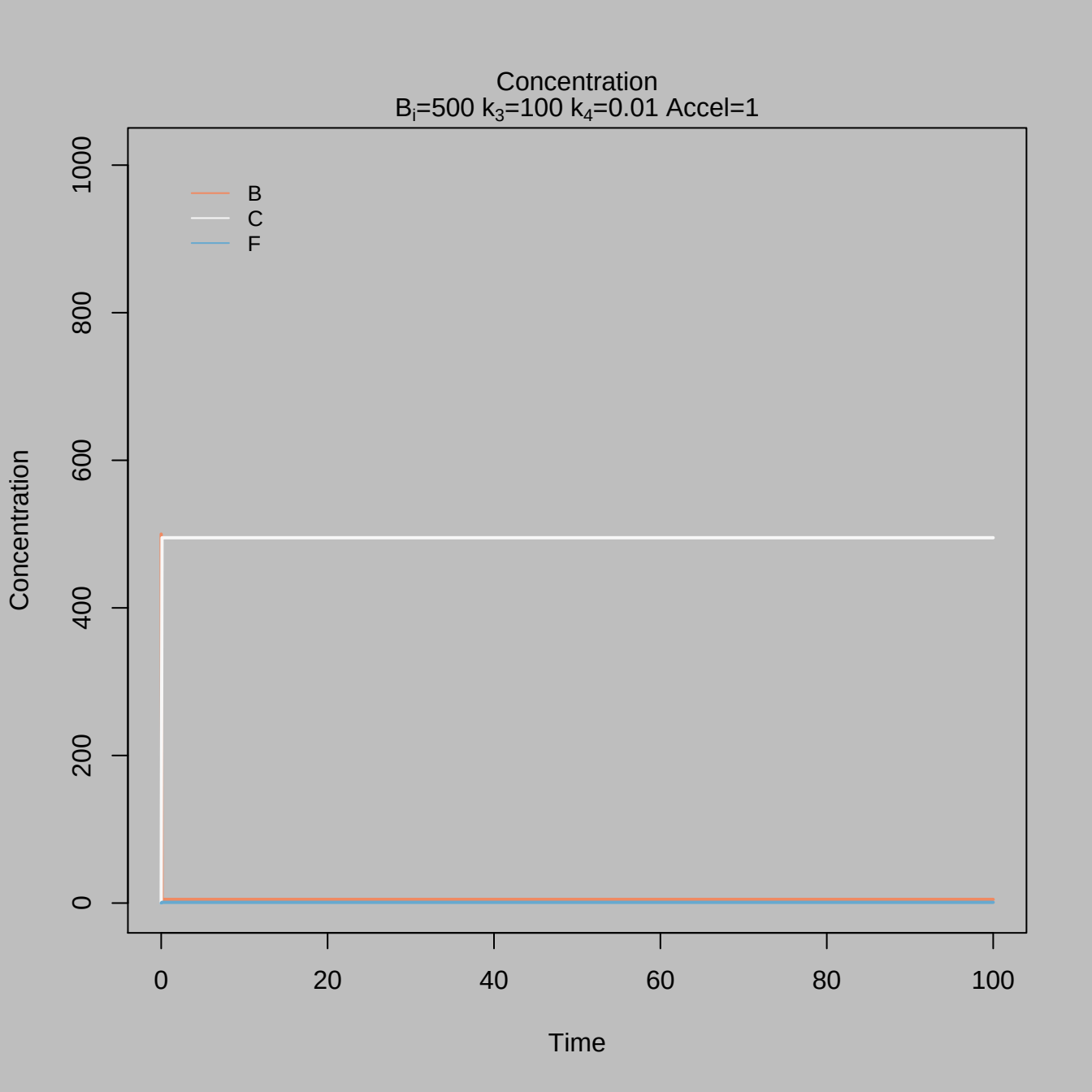
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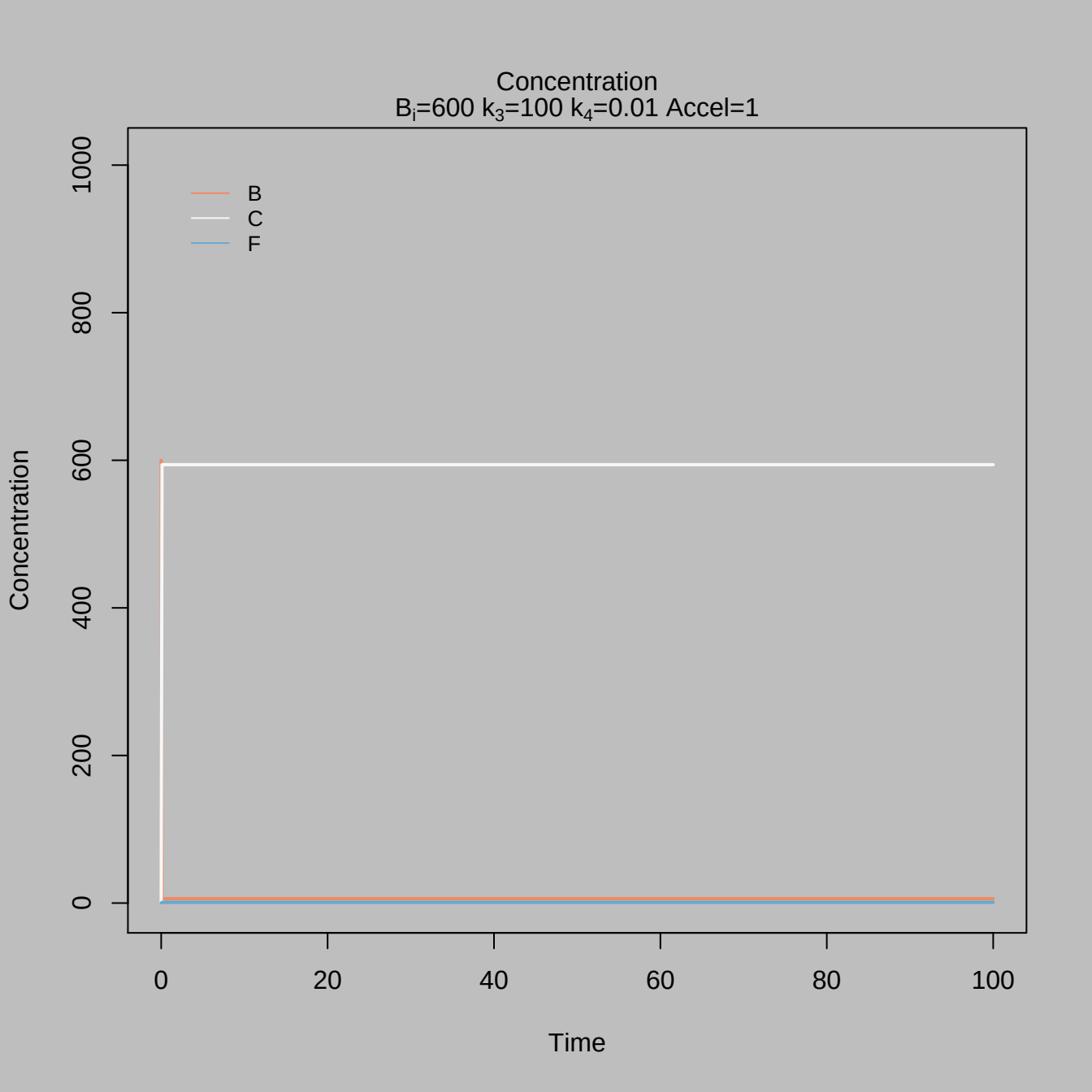
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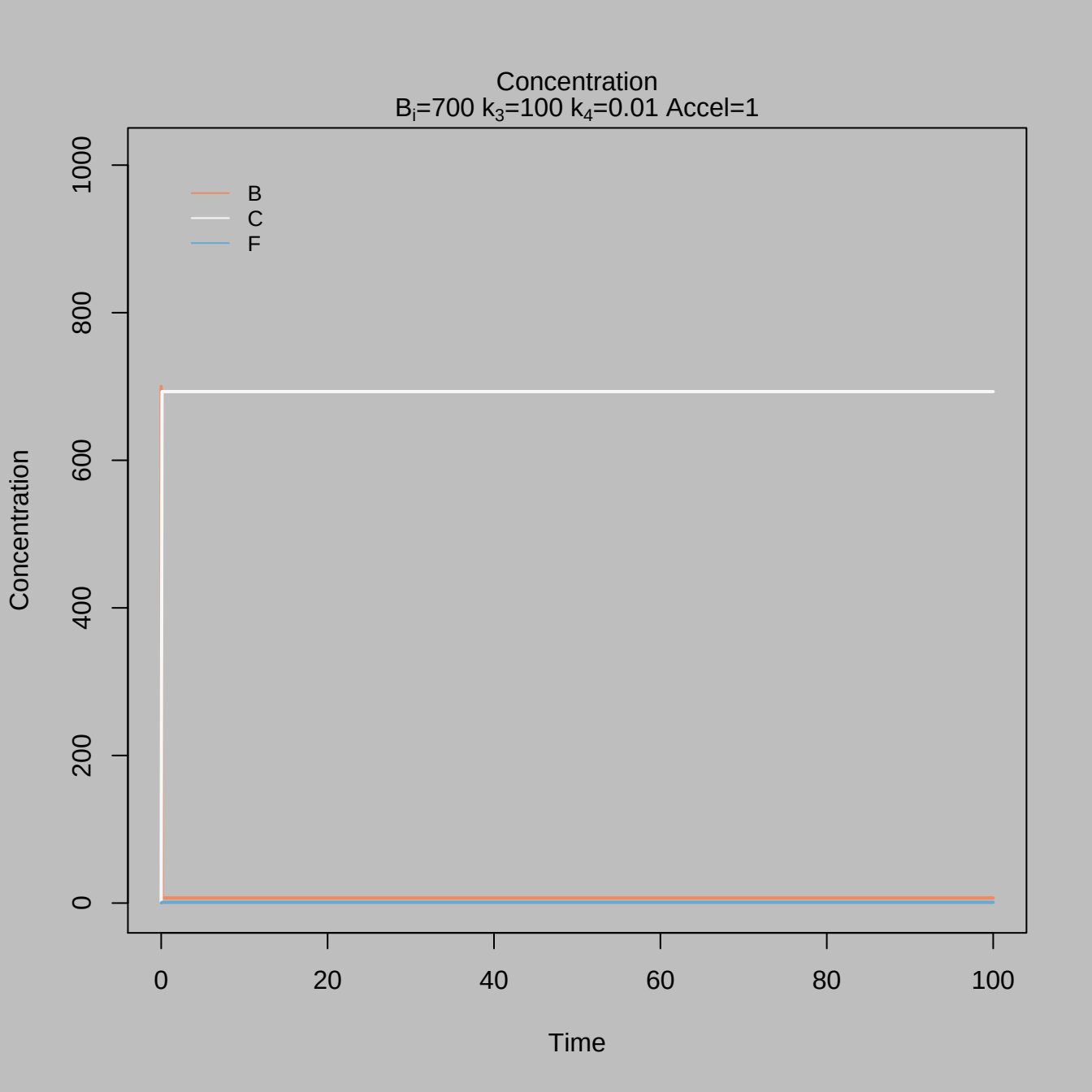
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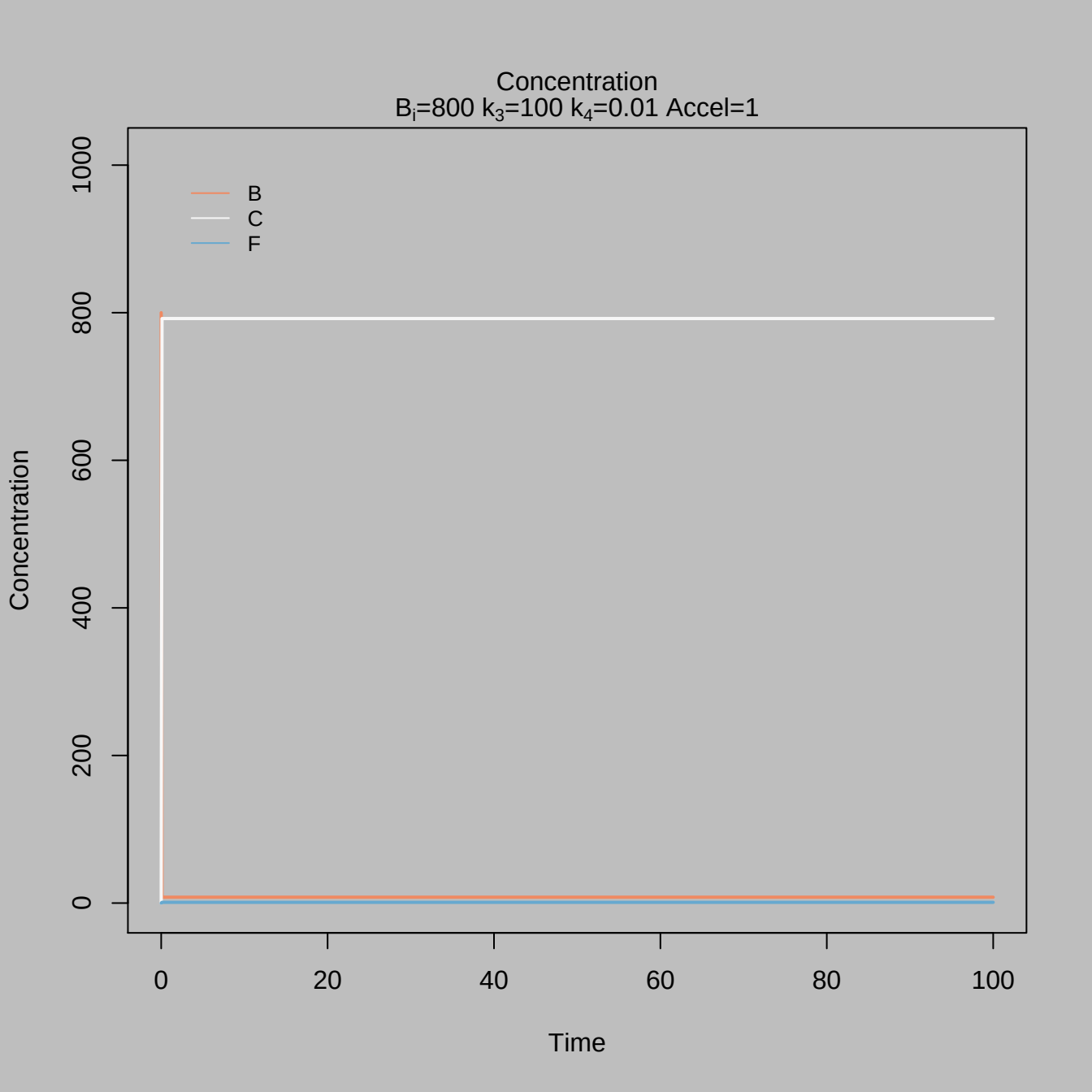
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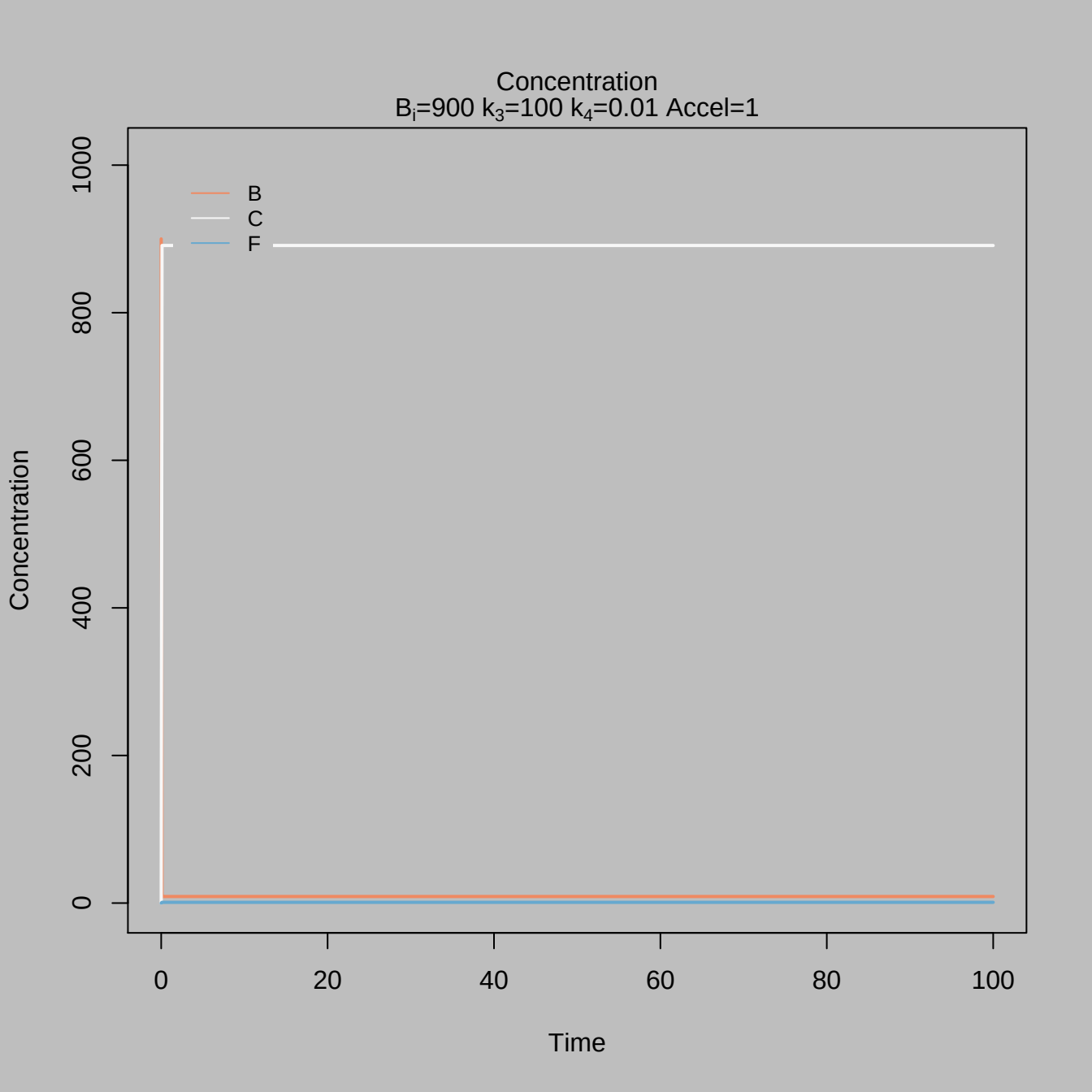
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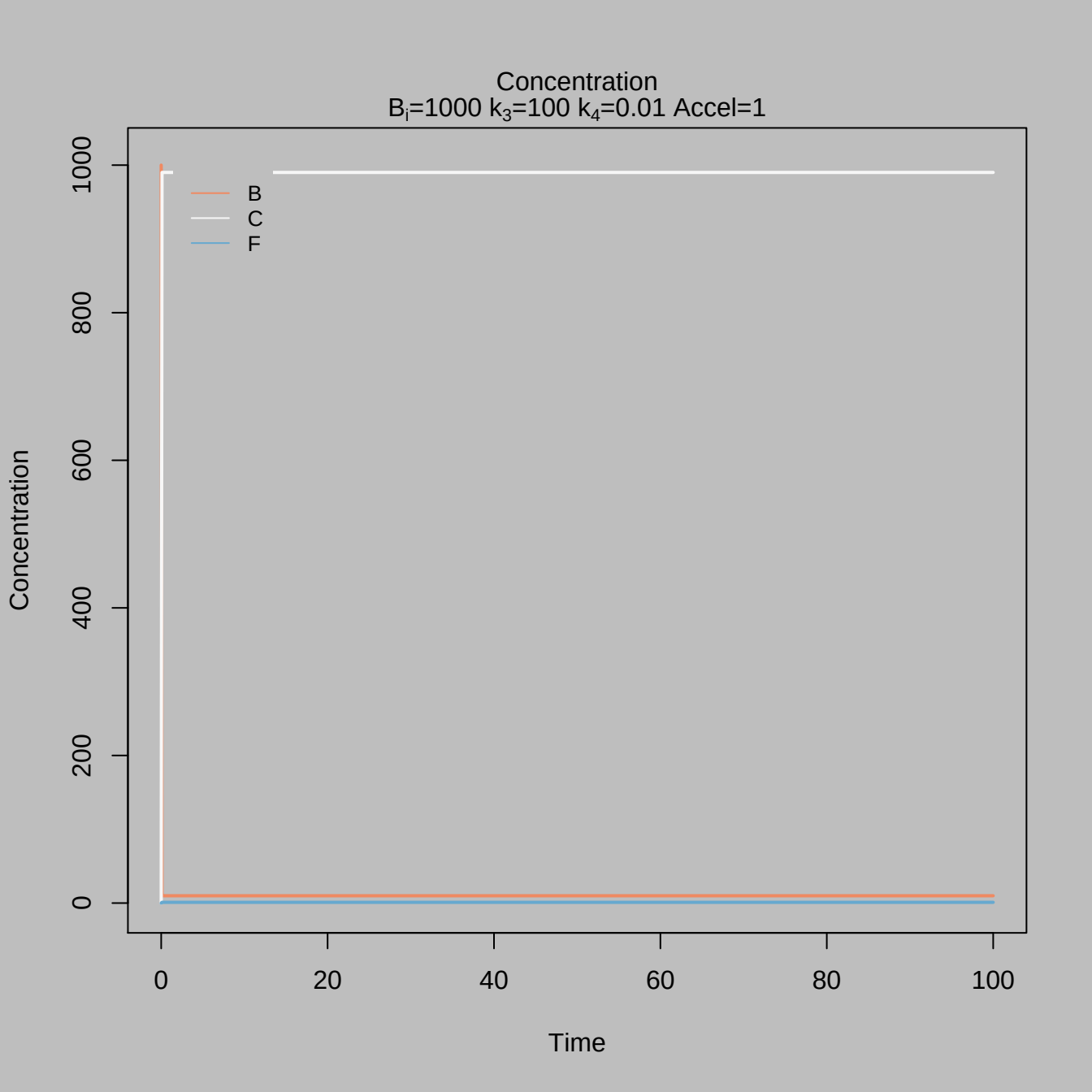
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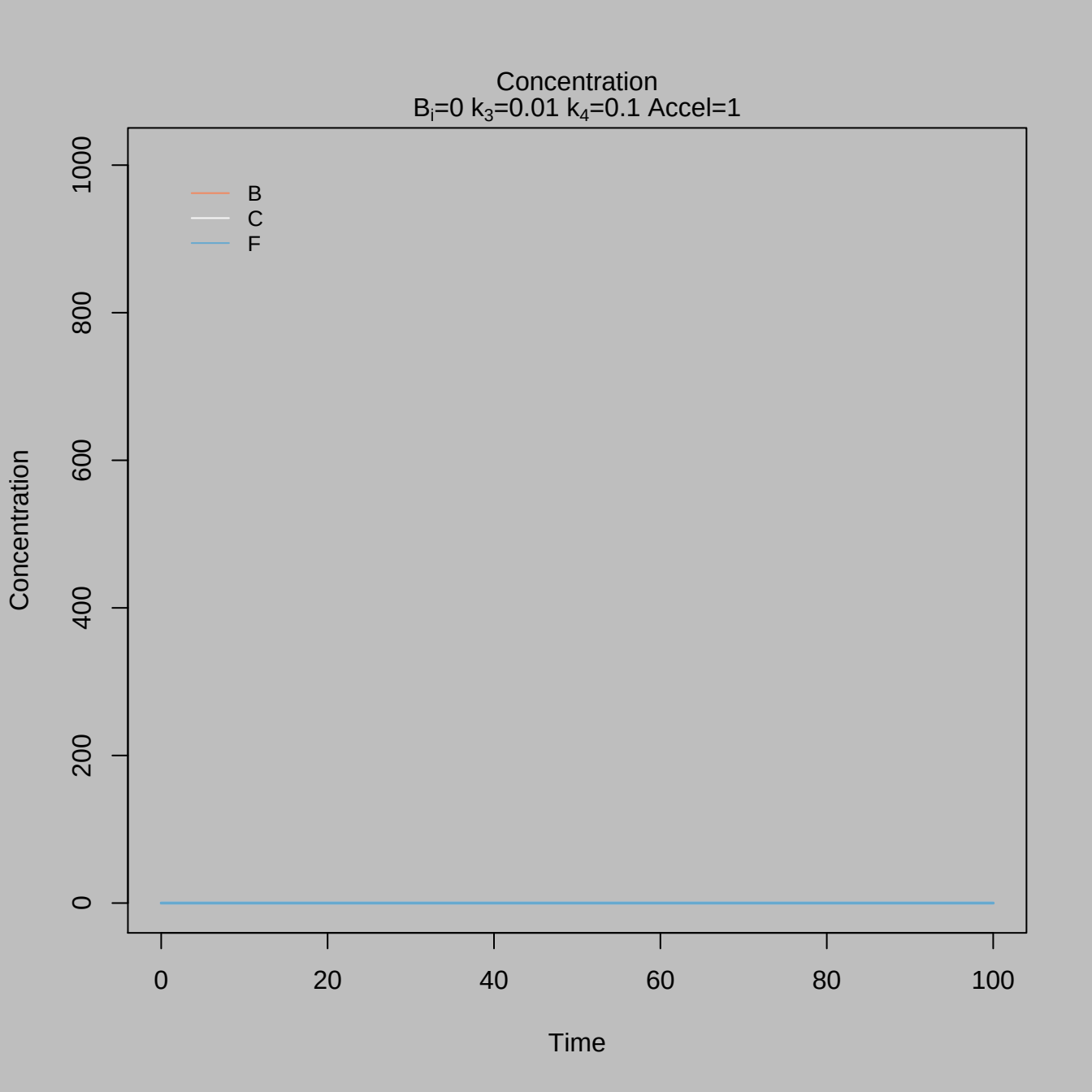
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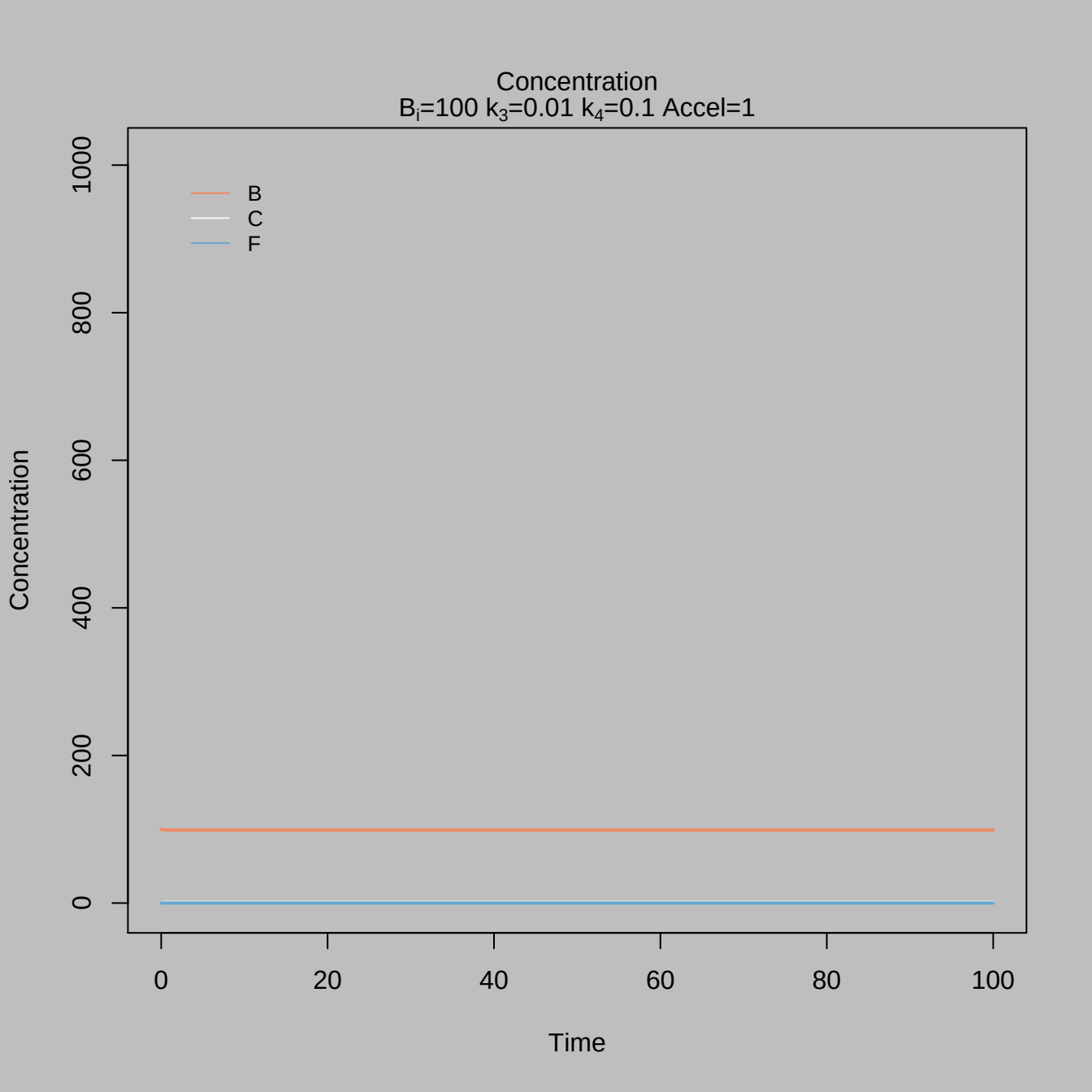
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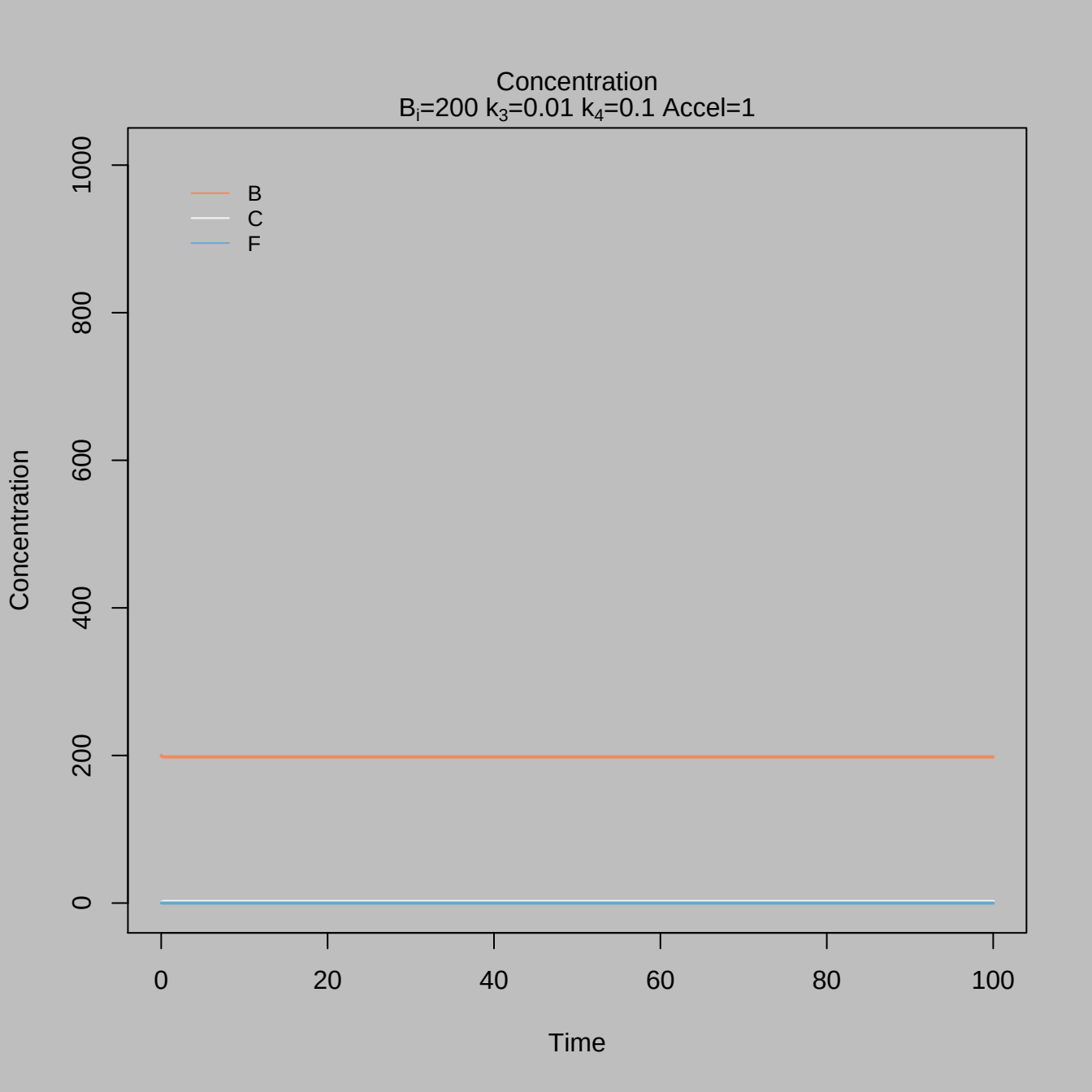
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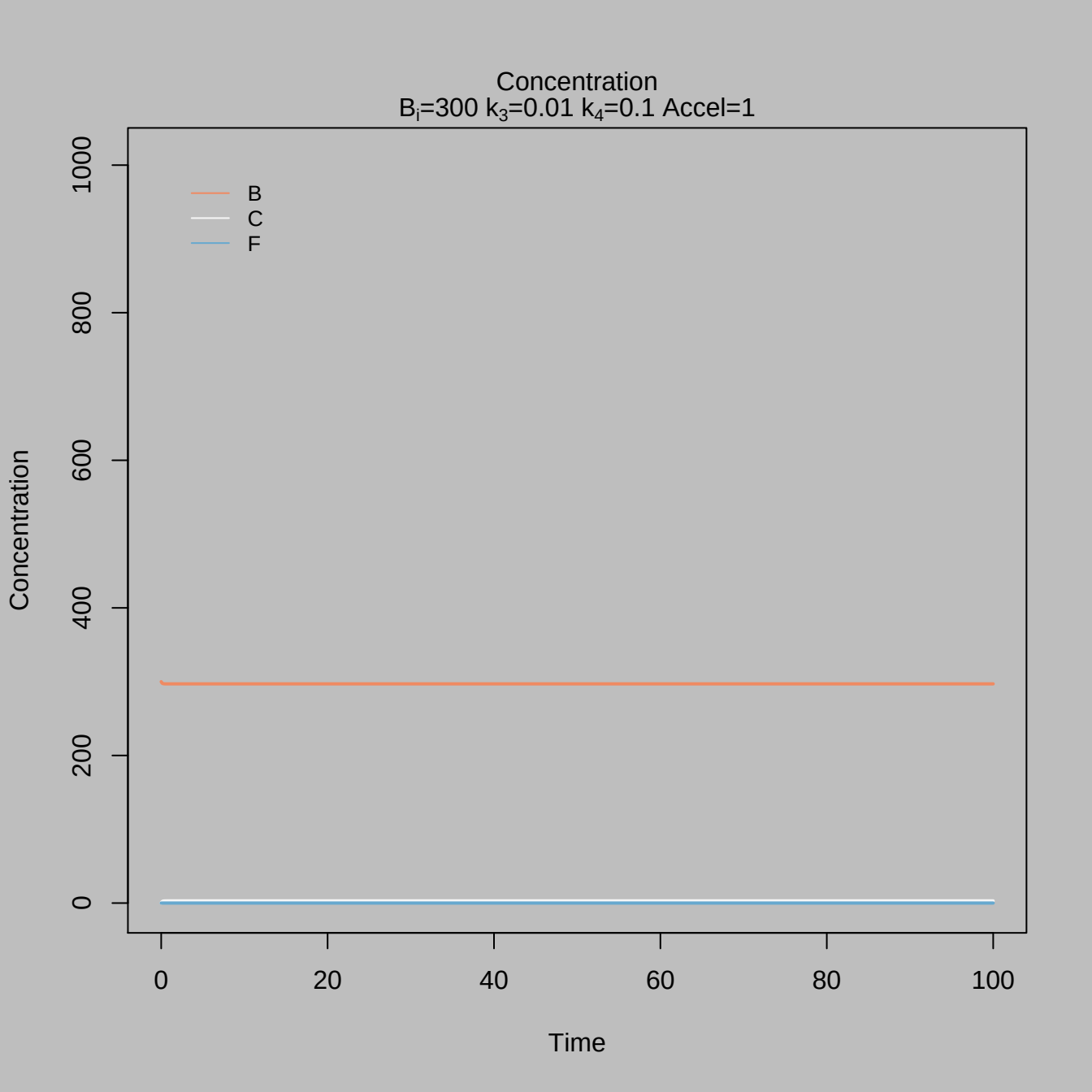
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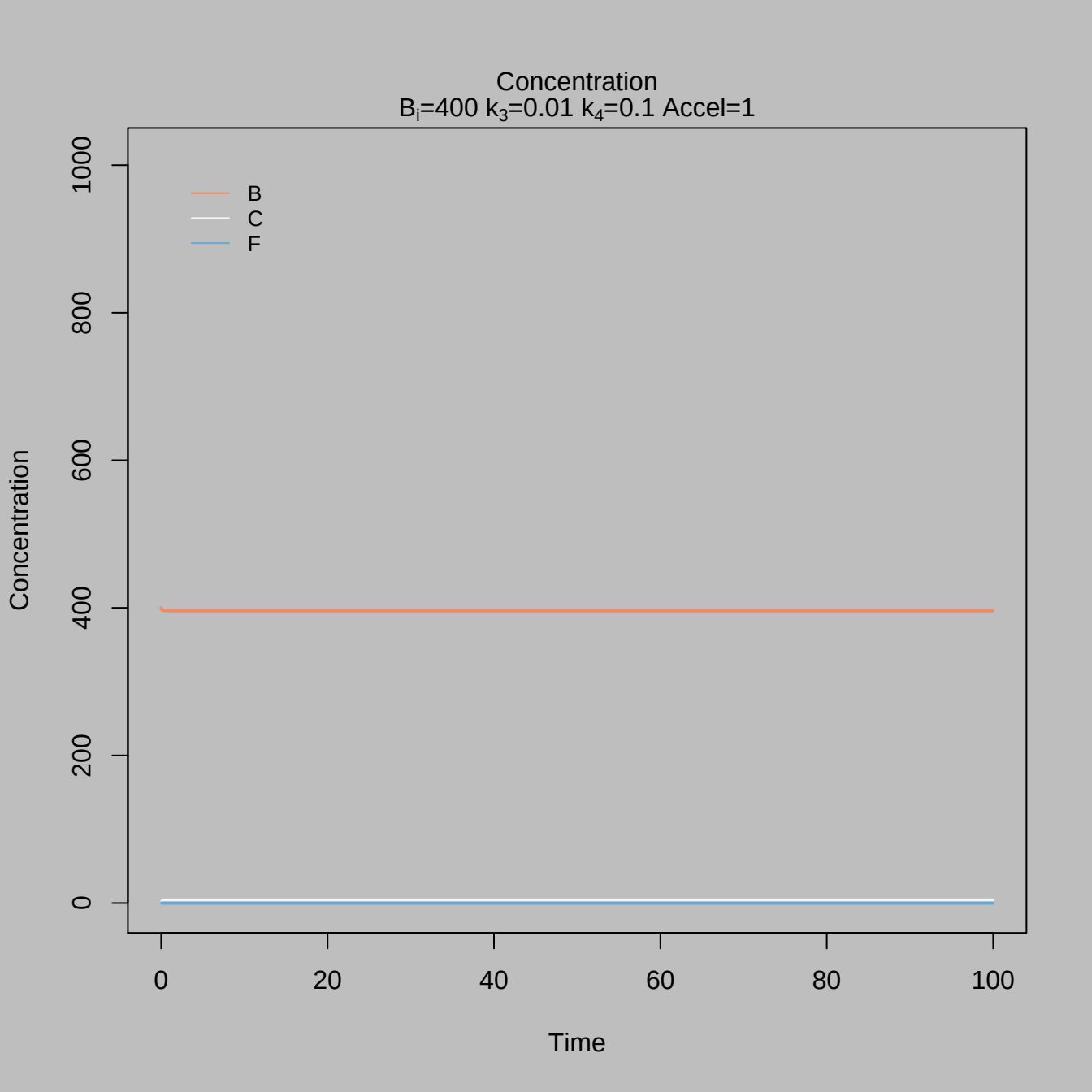
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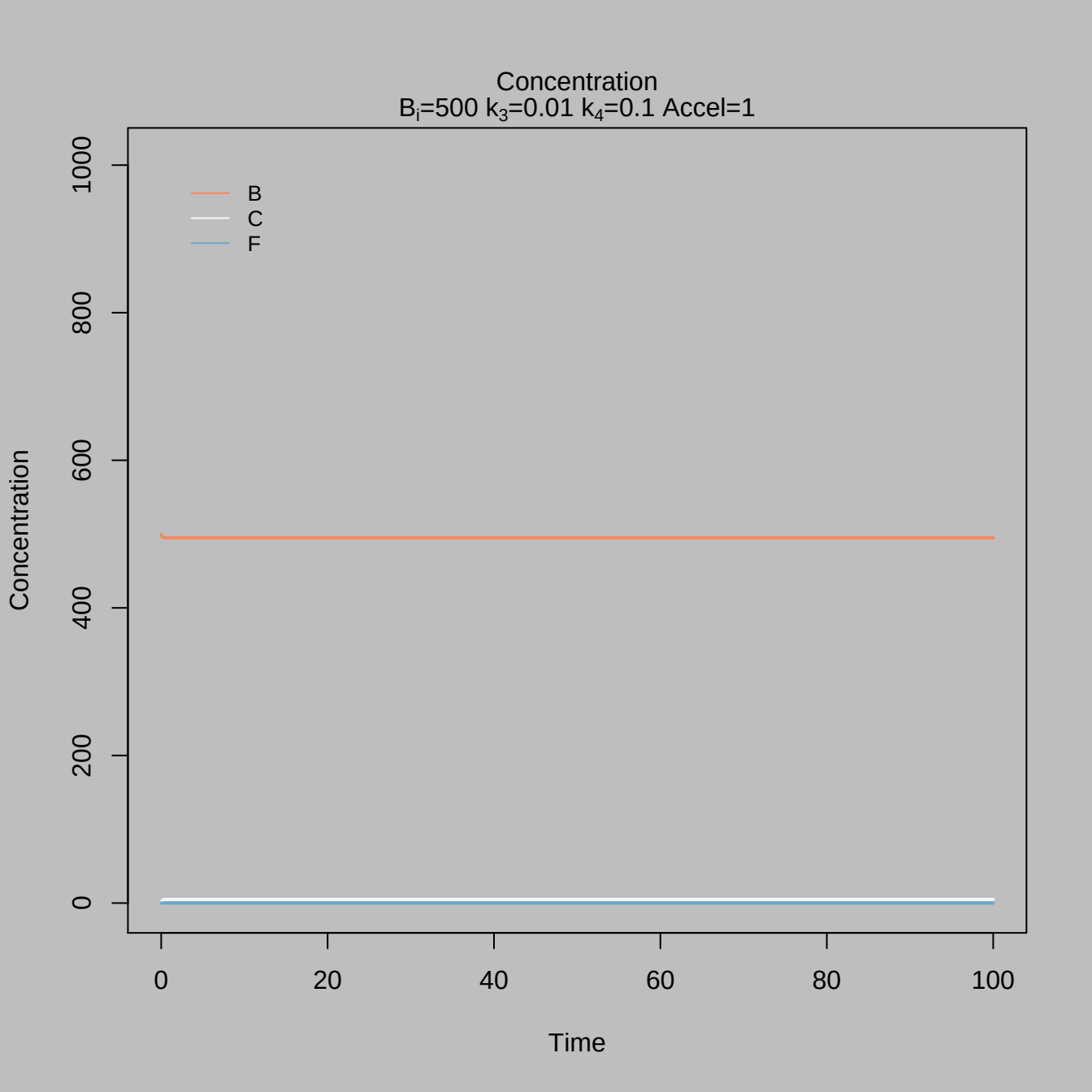
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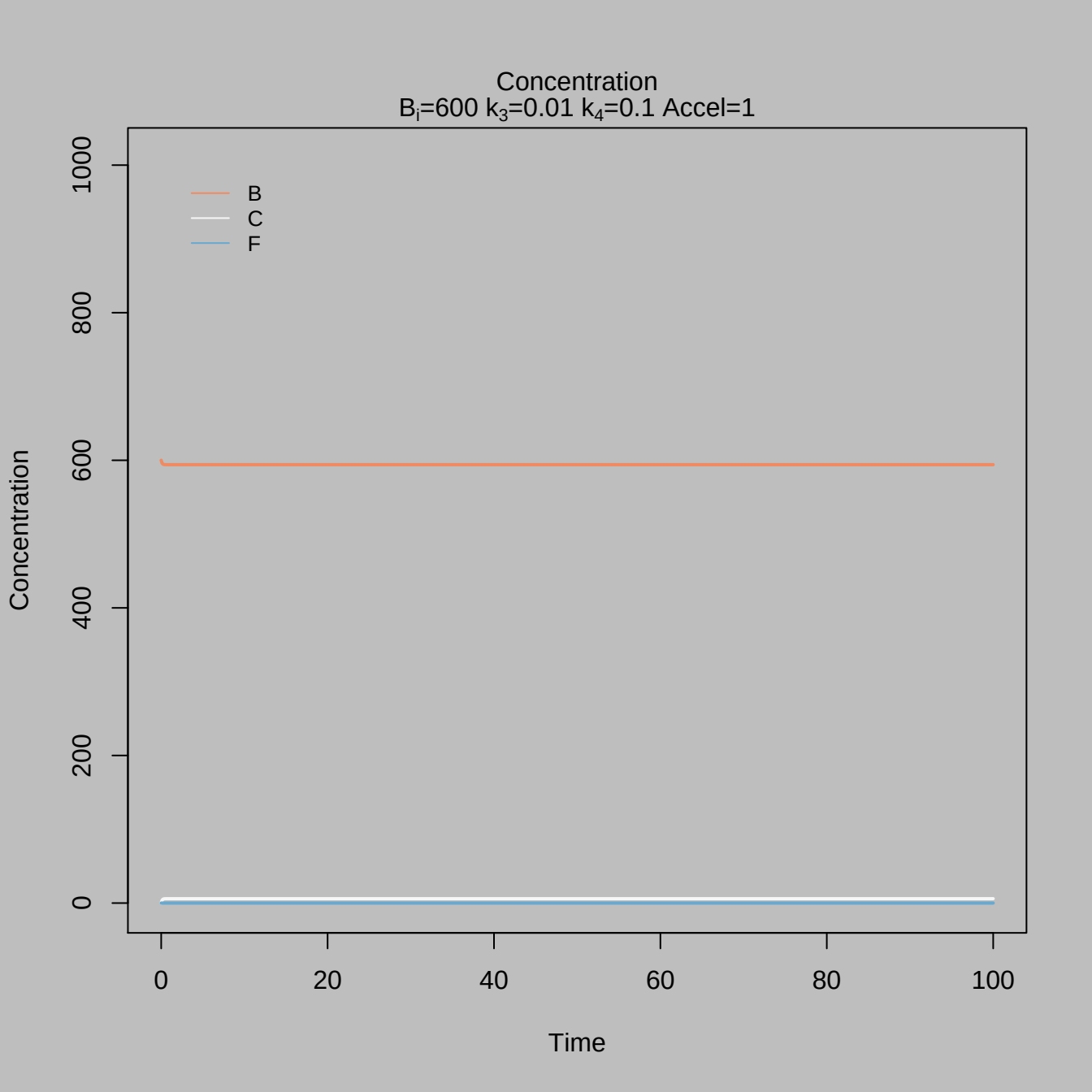
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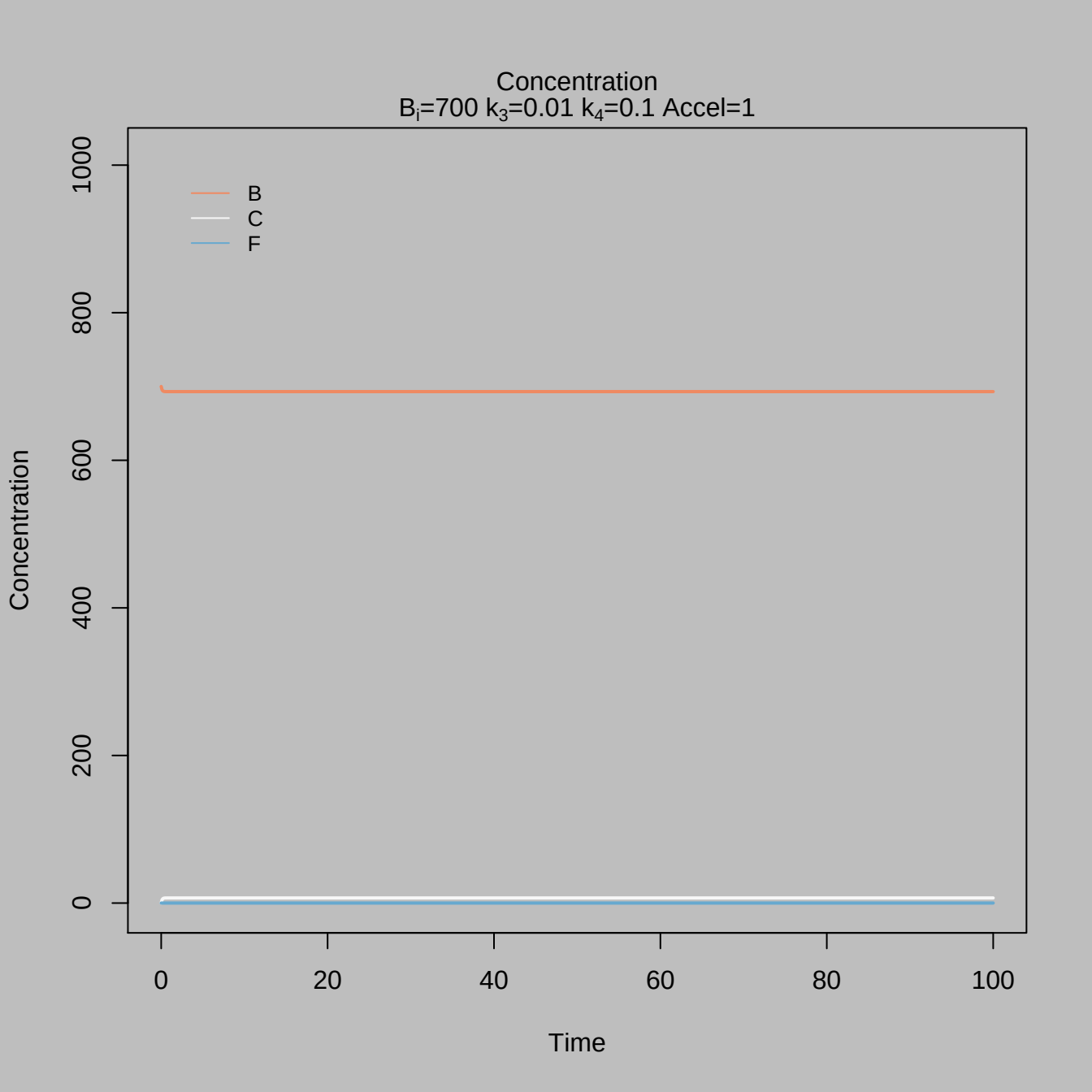
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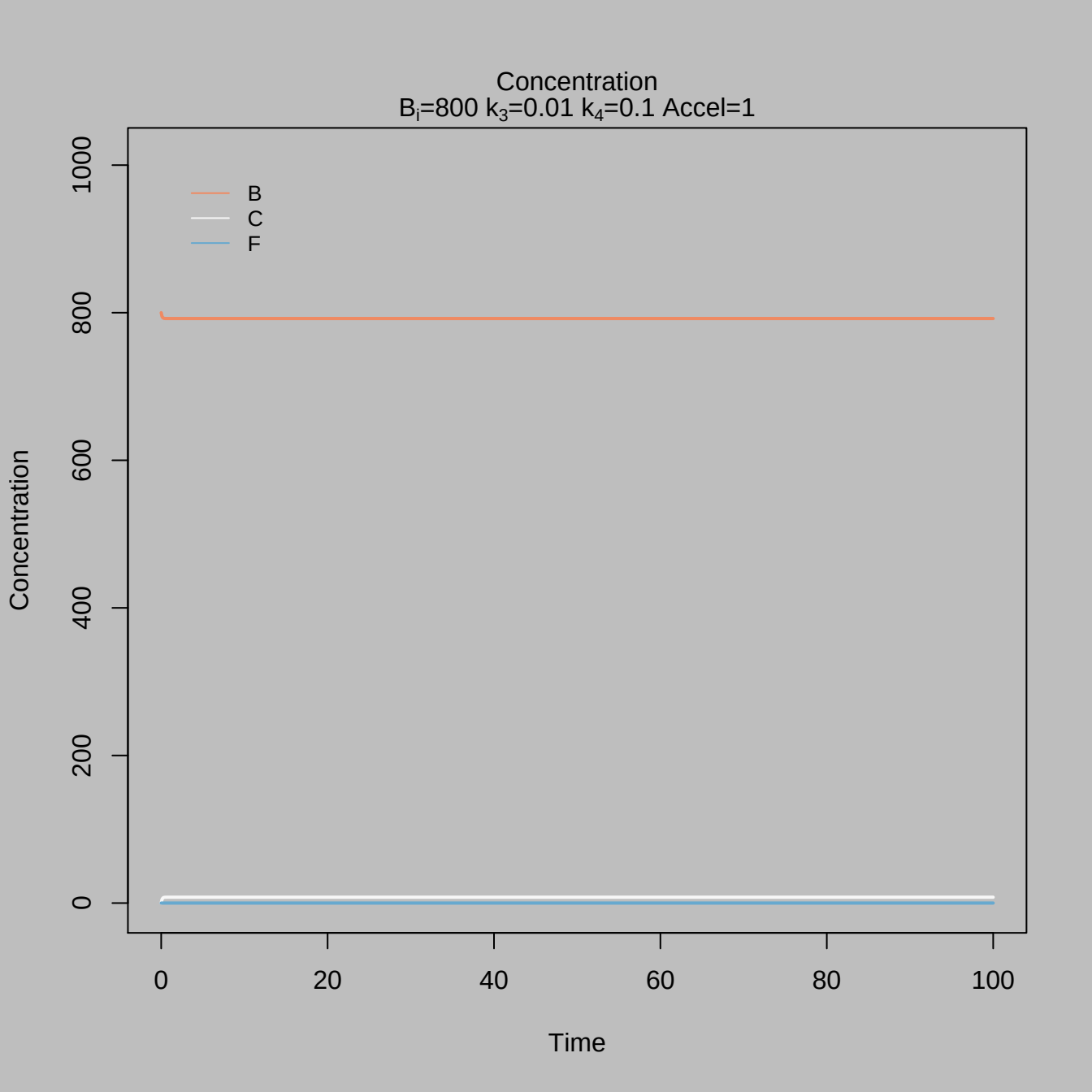
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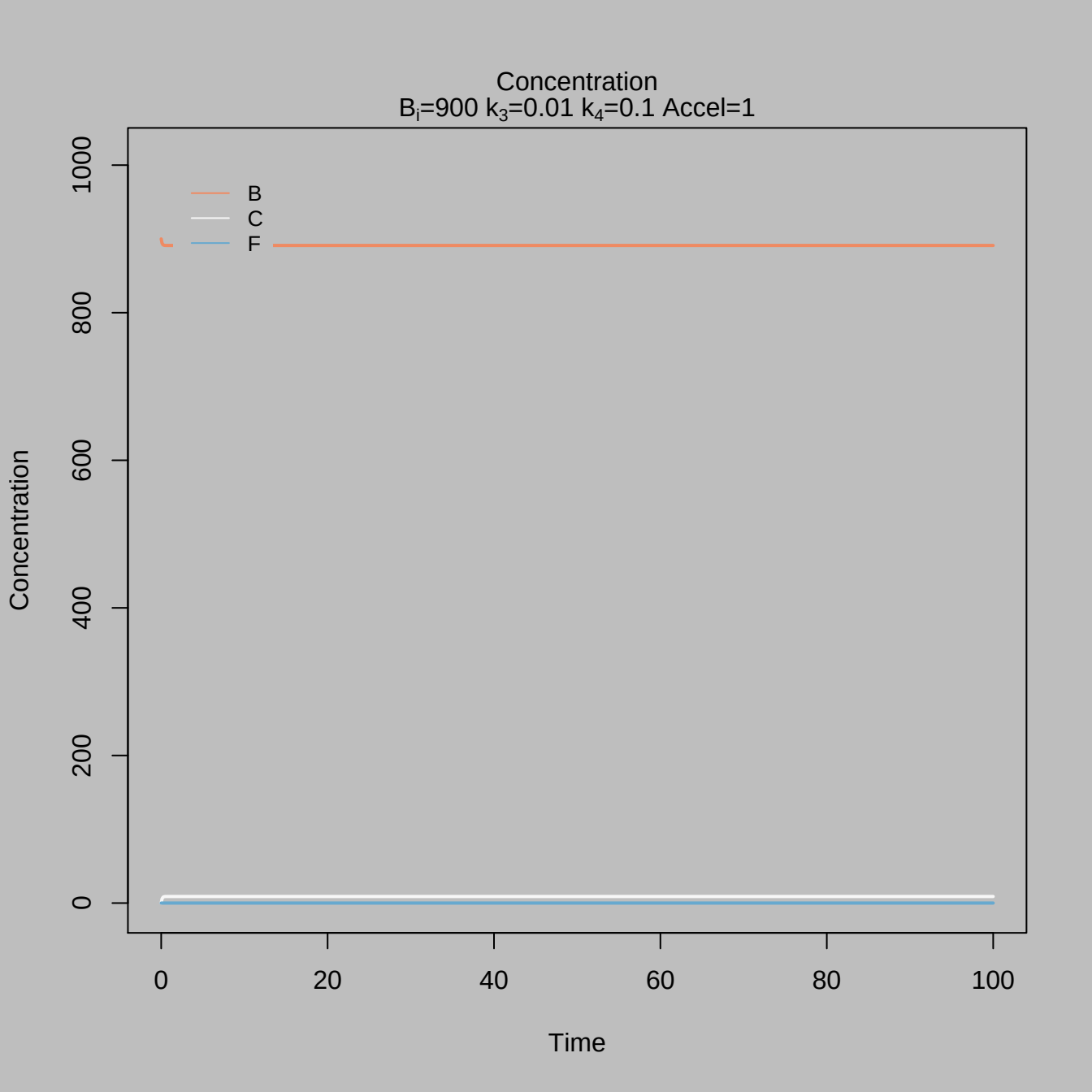
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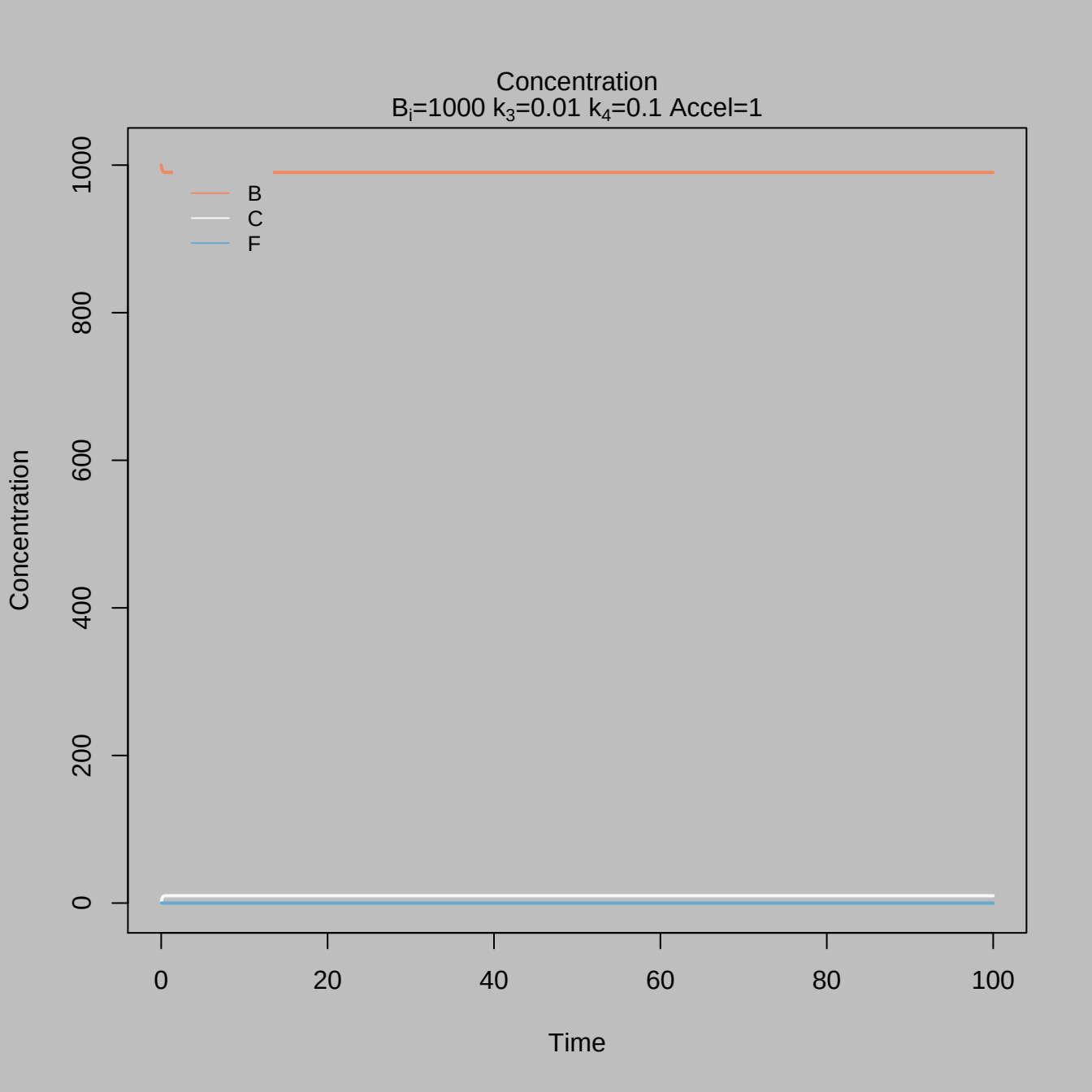
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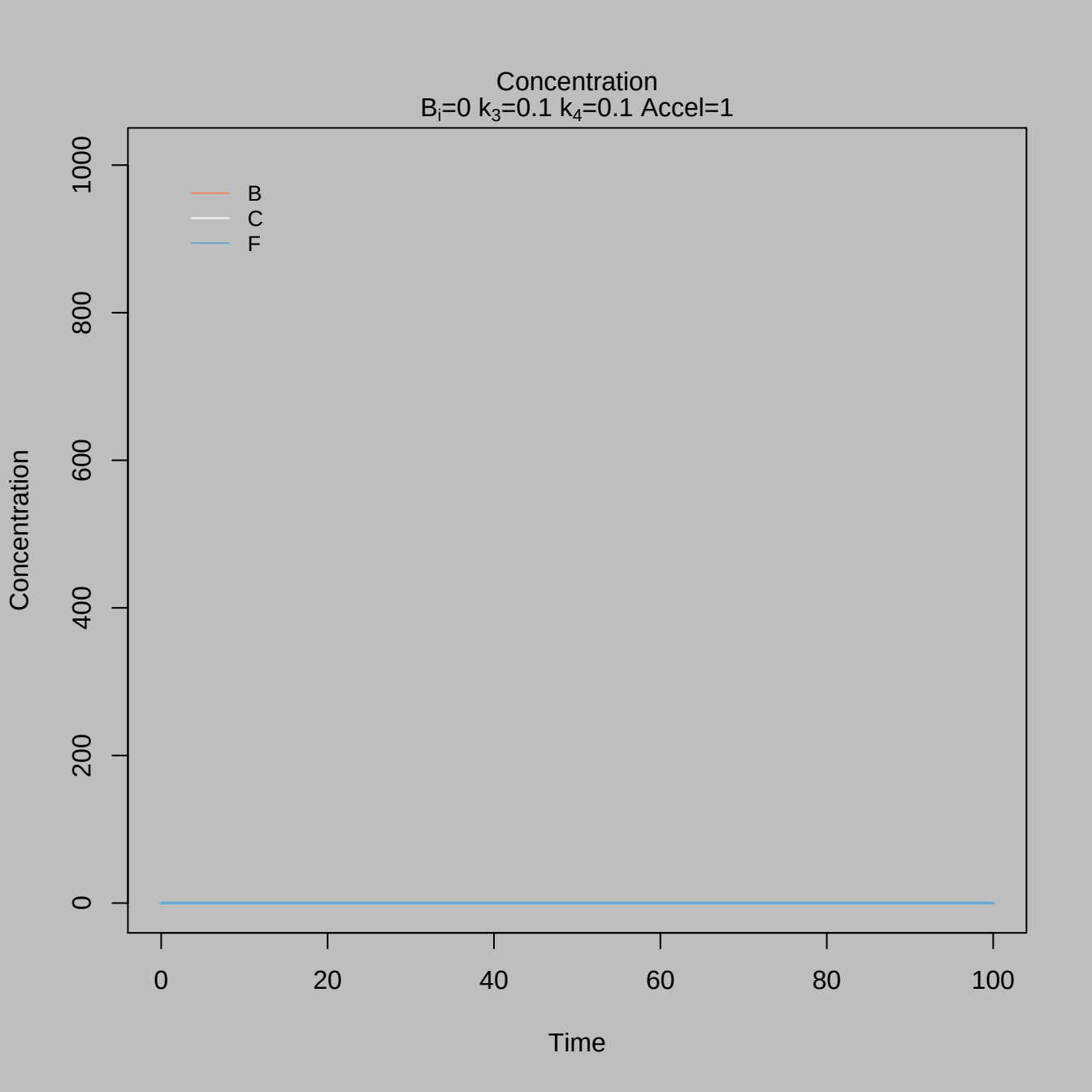
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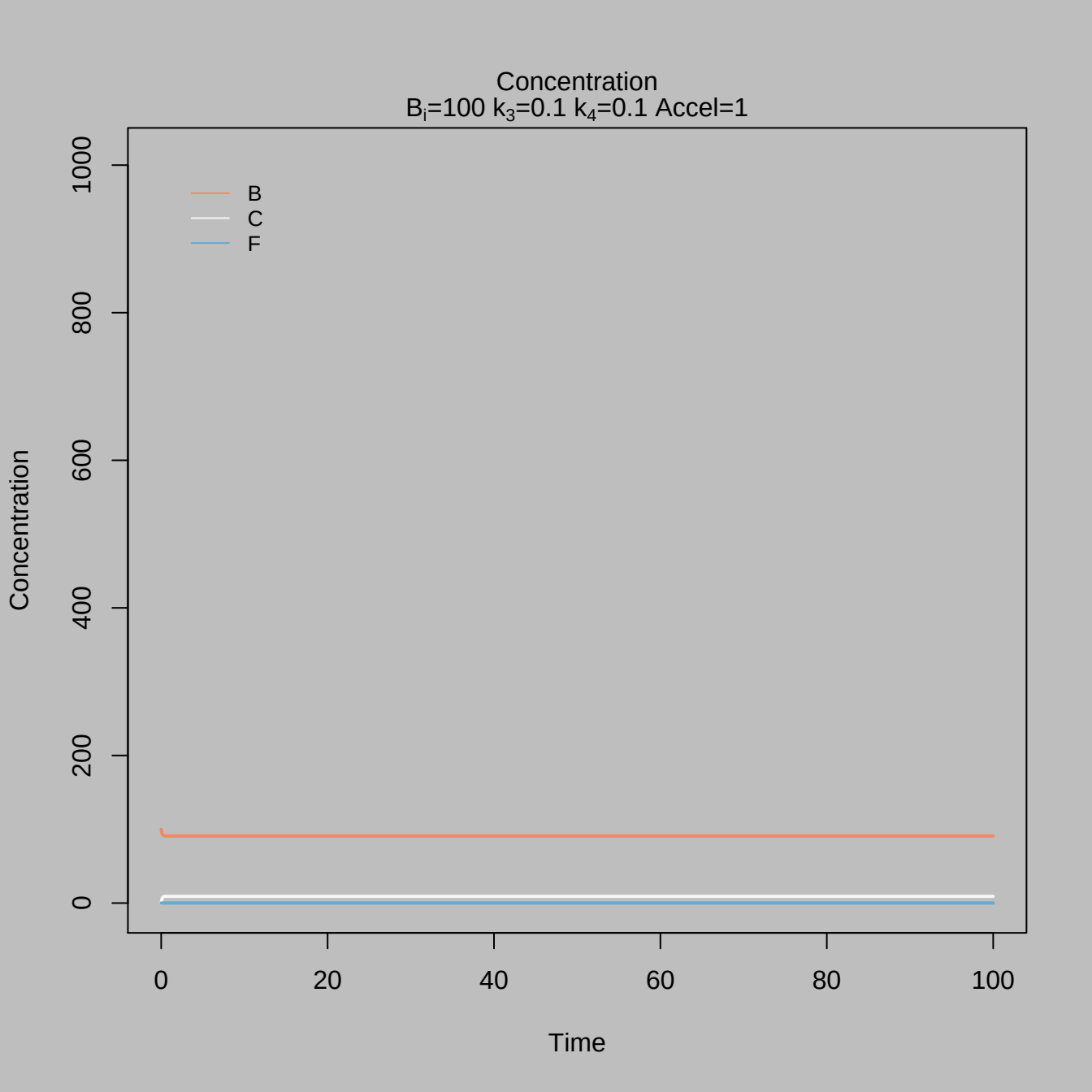
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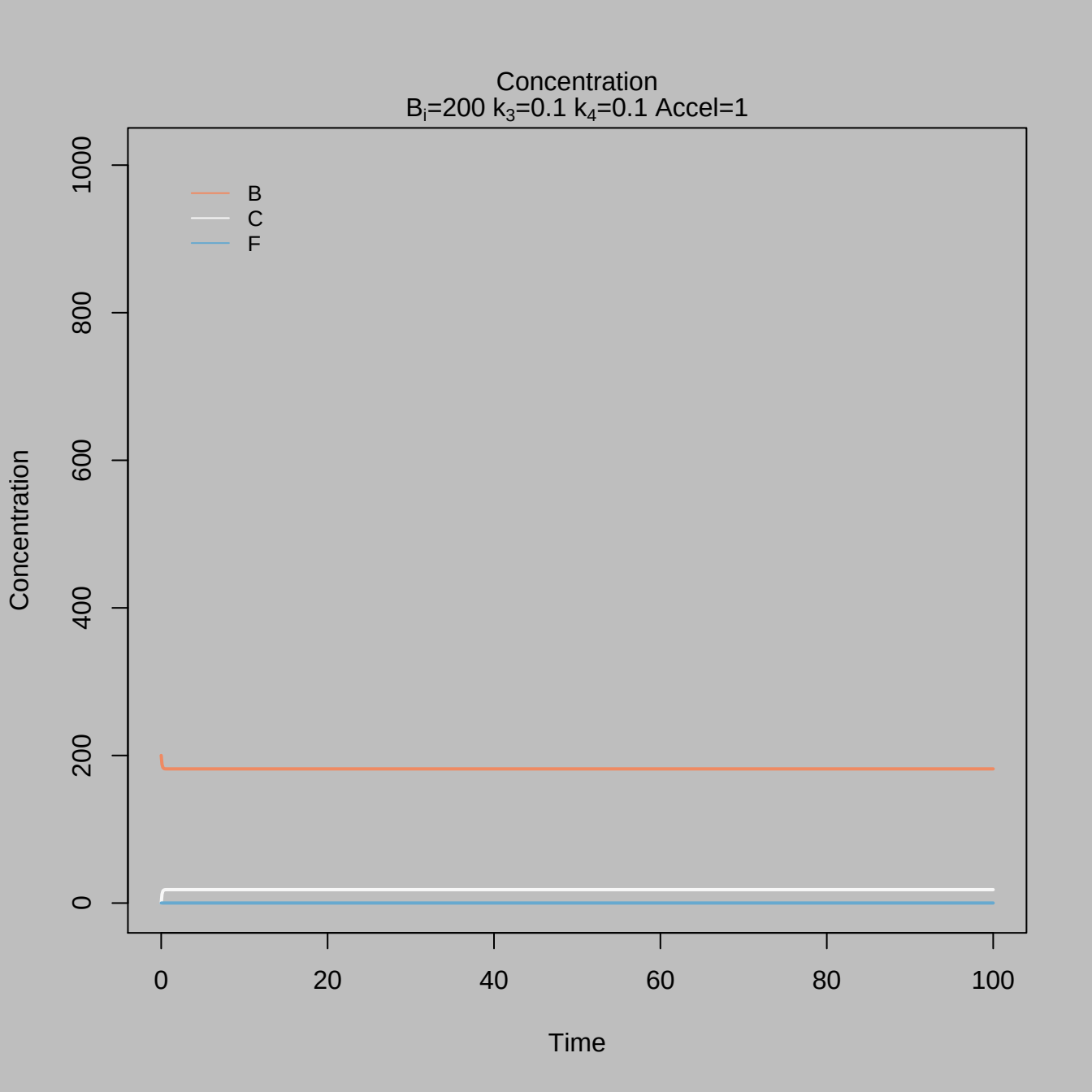
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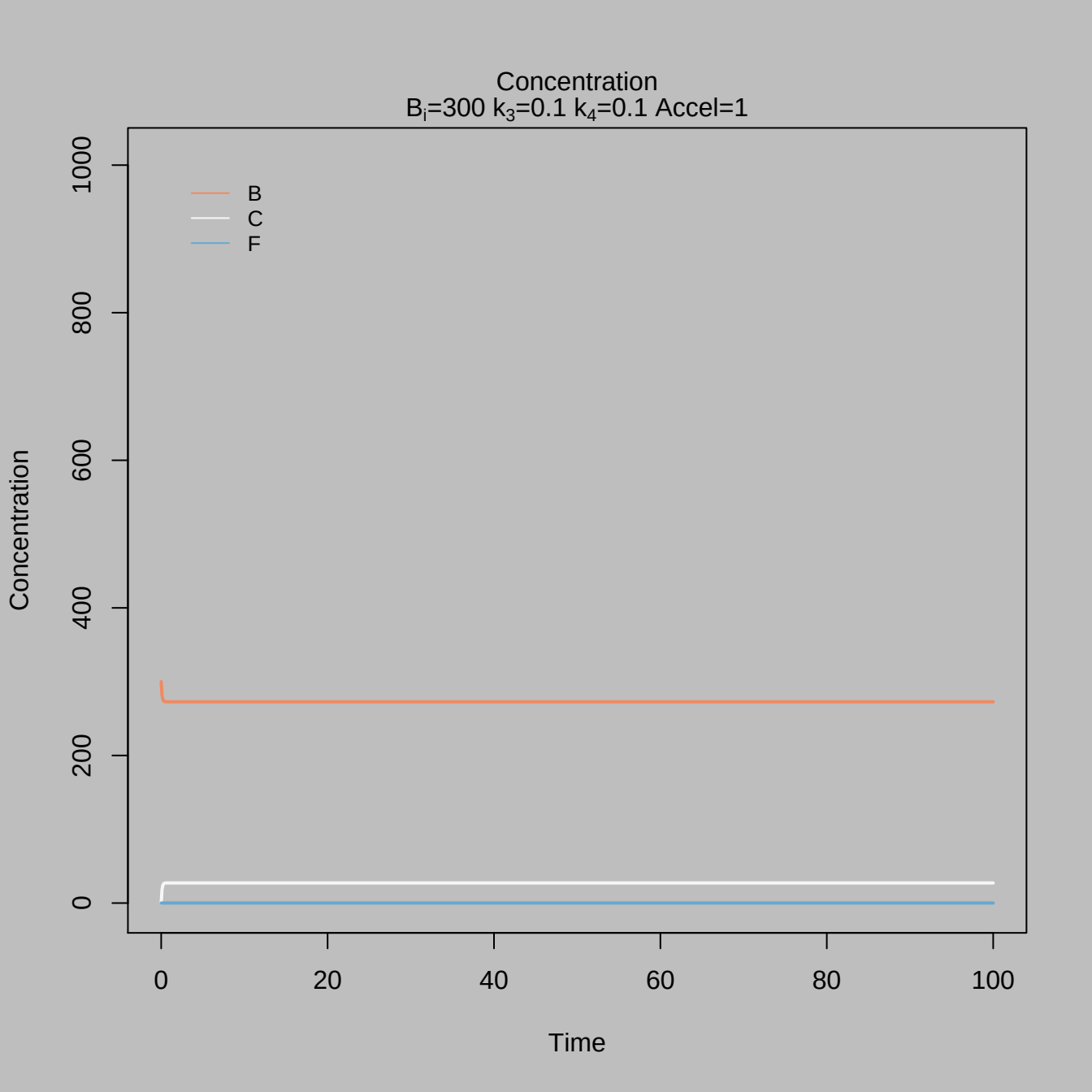
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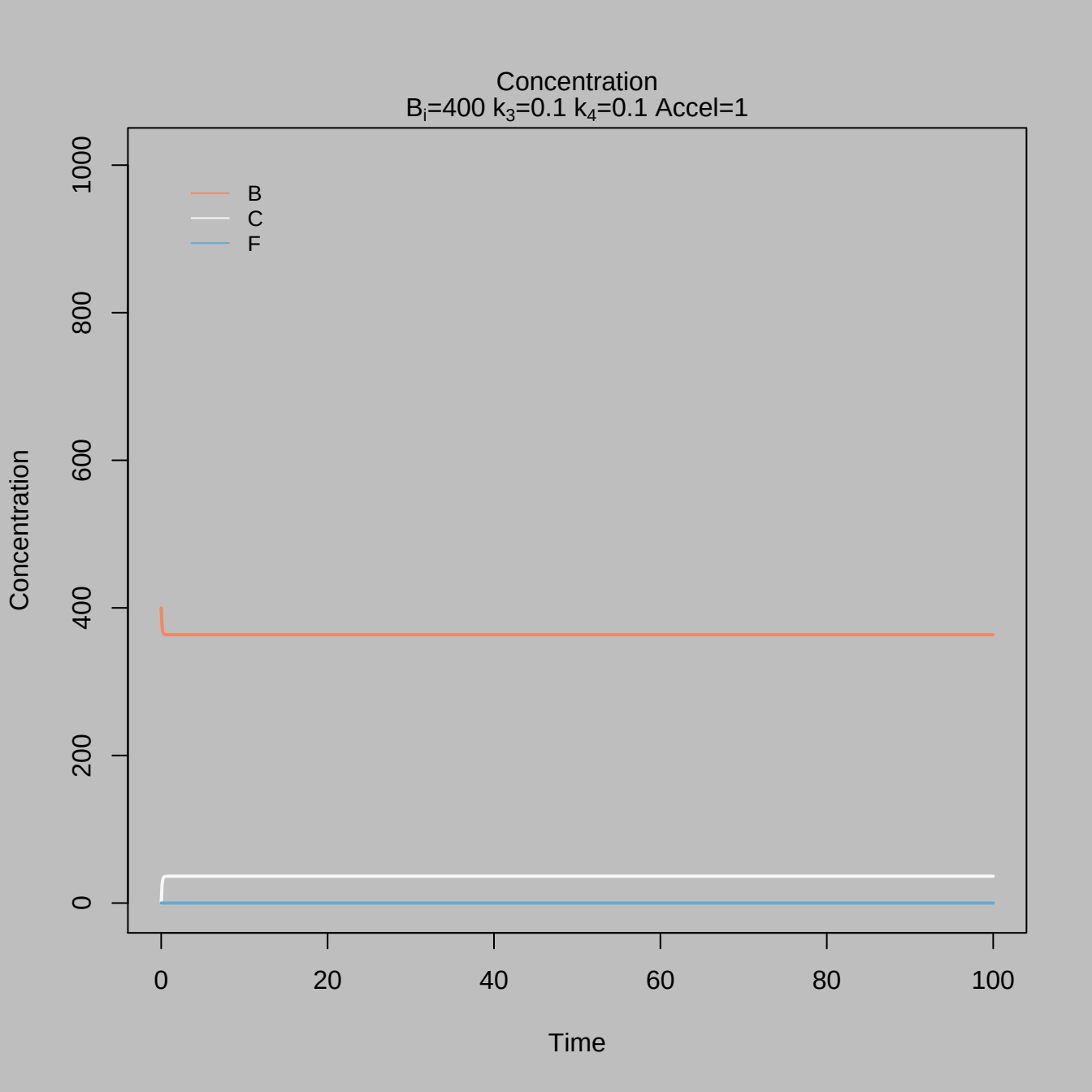
Time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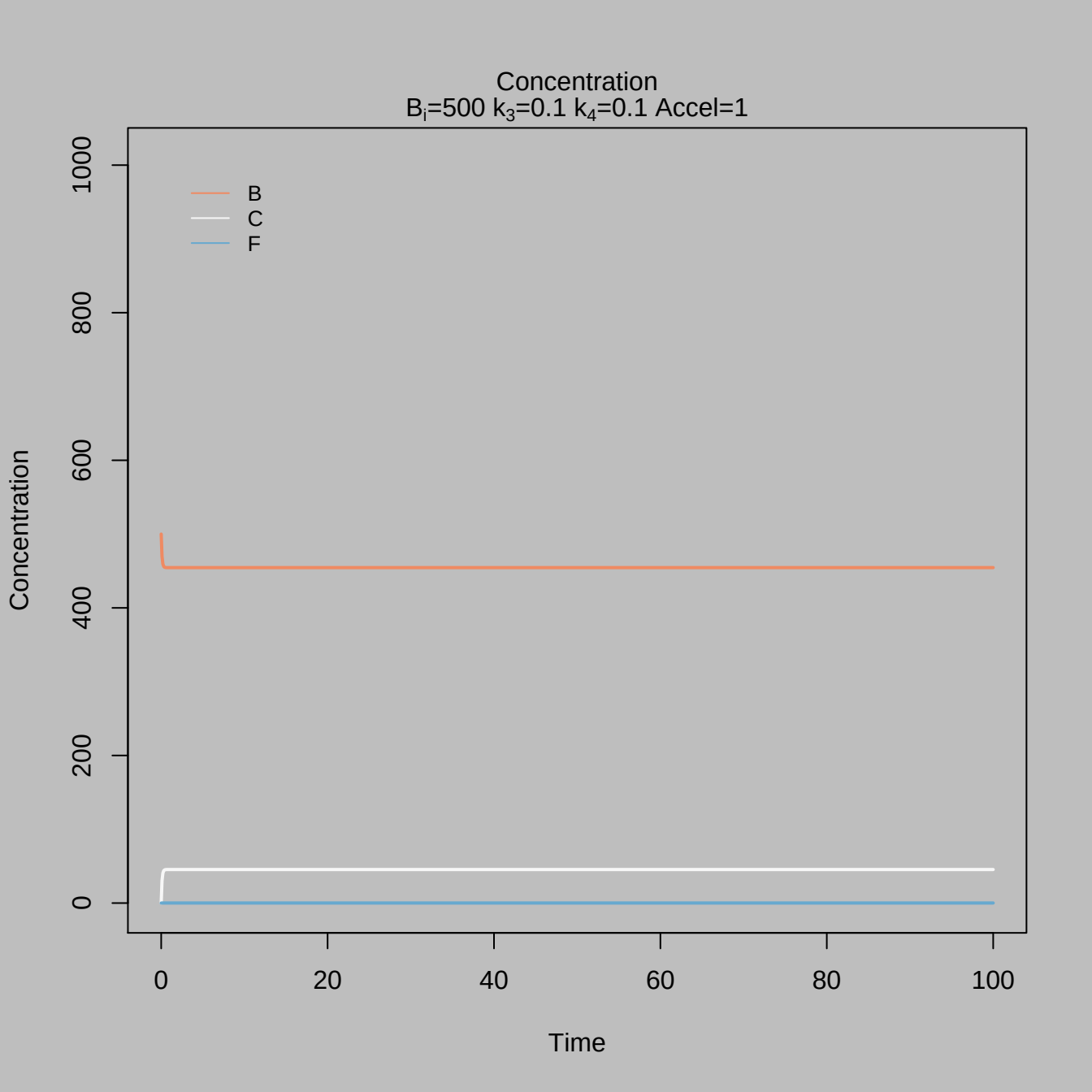
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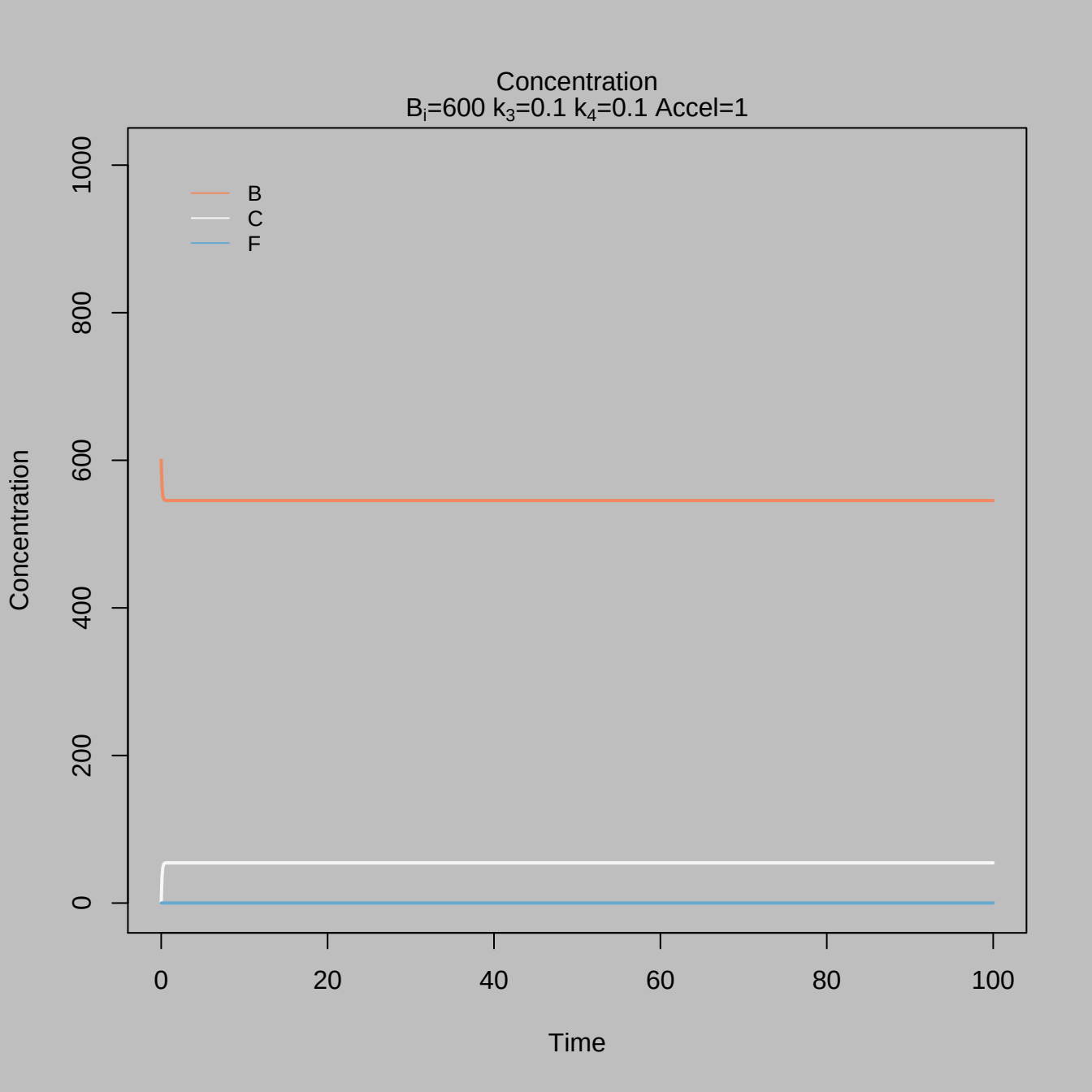
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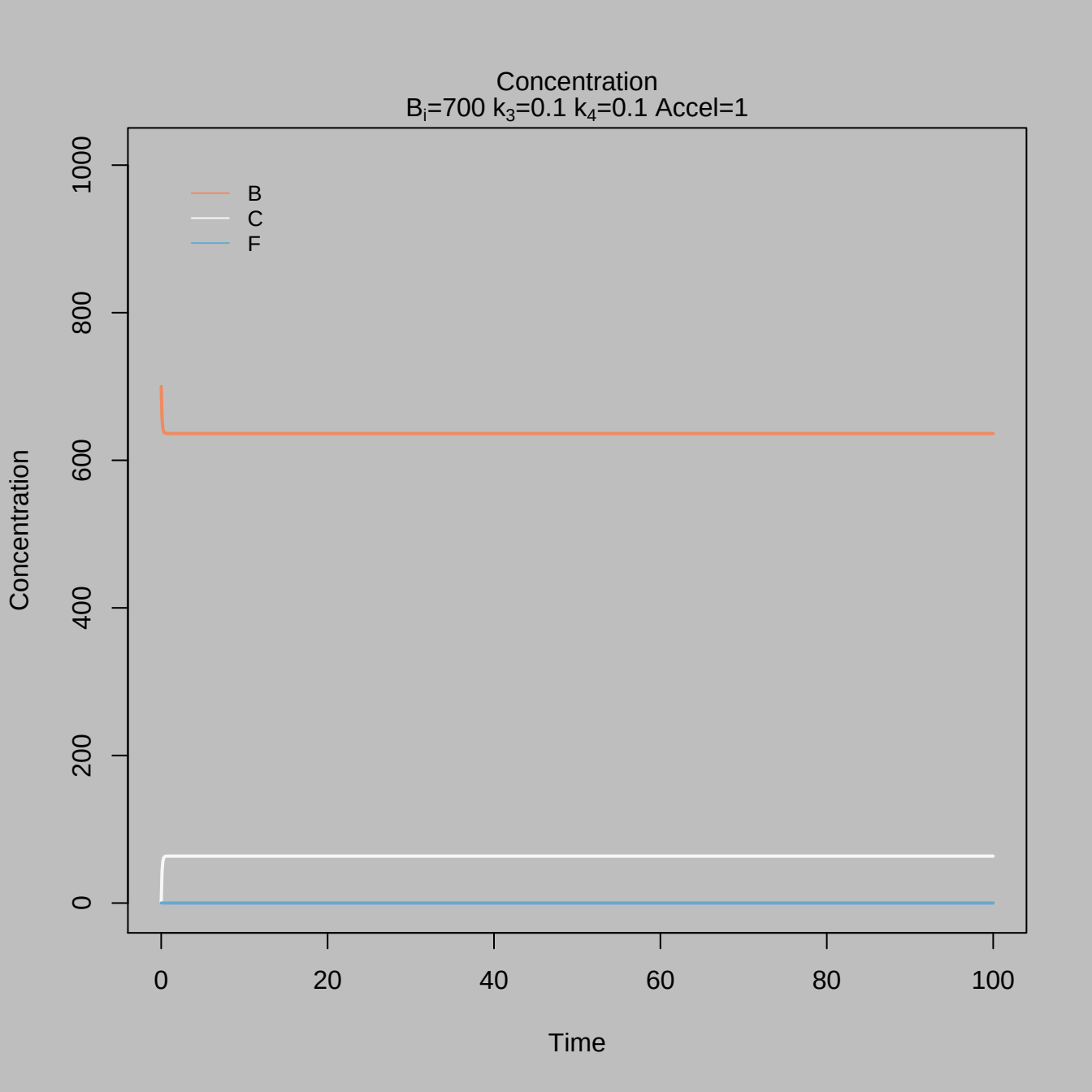
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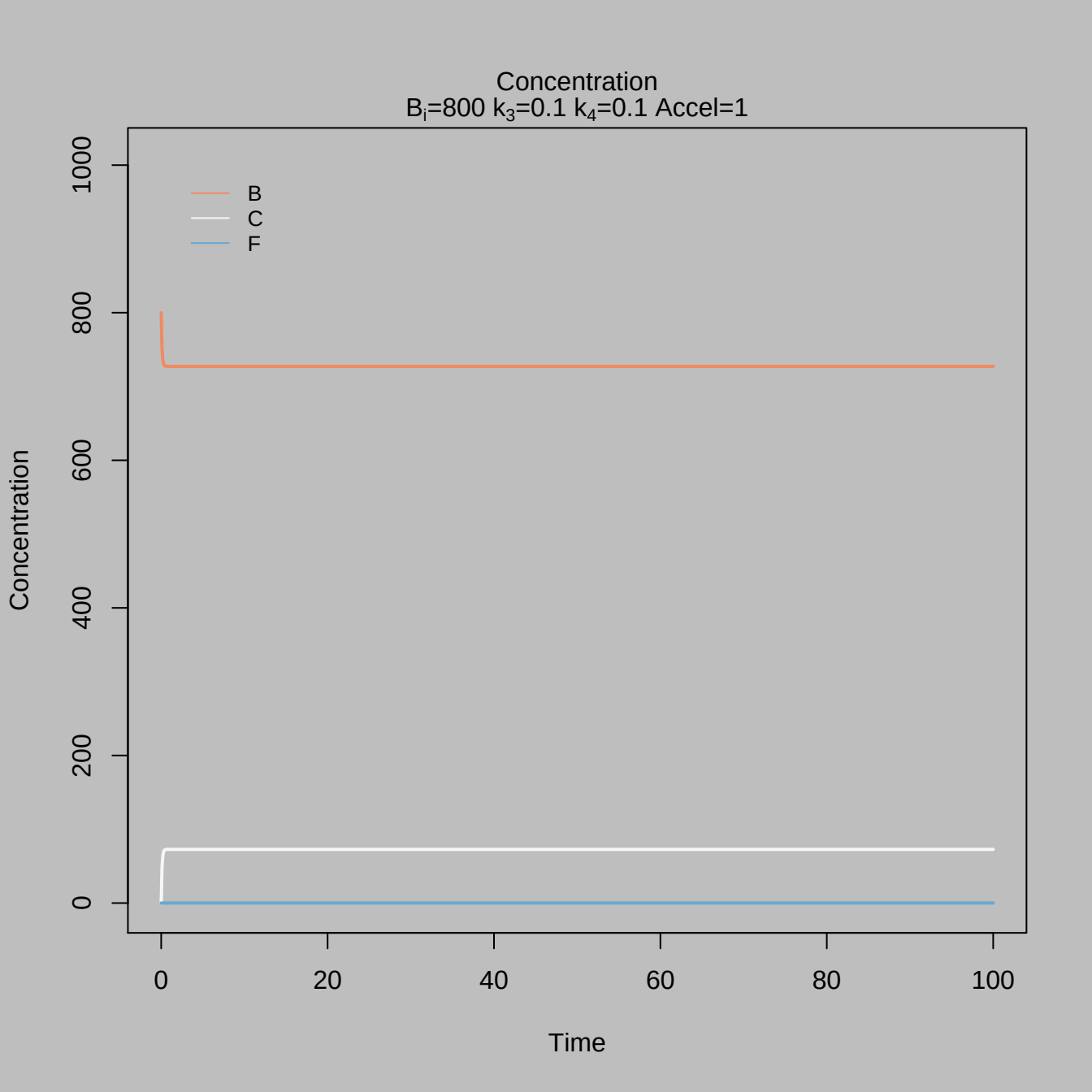
Concentration
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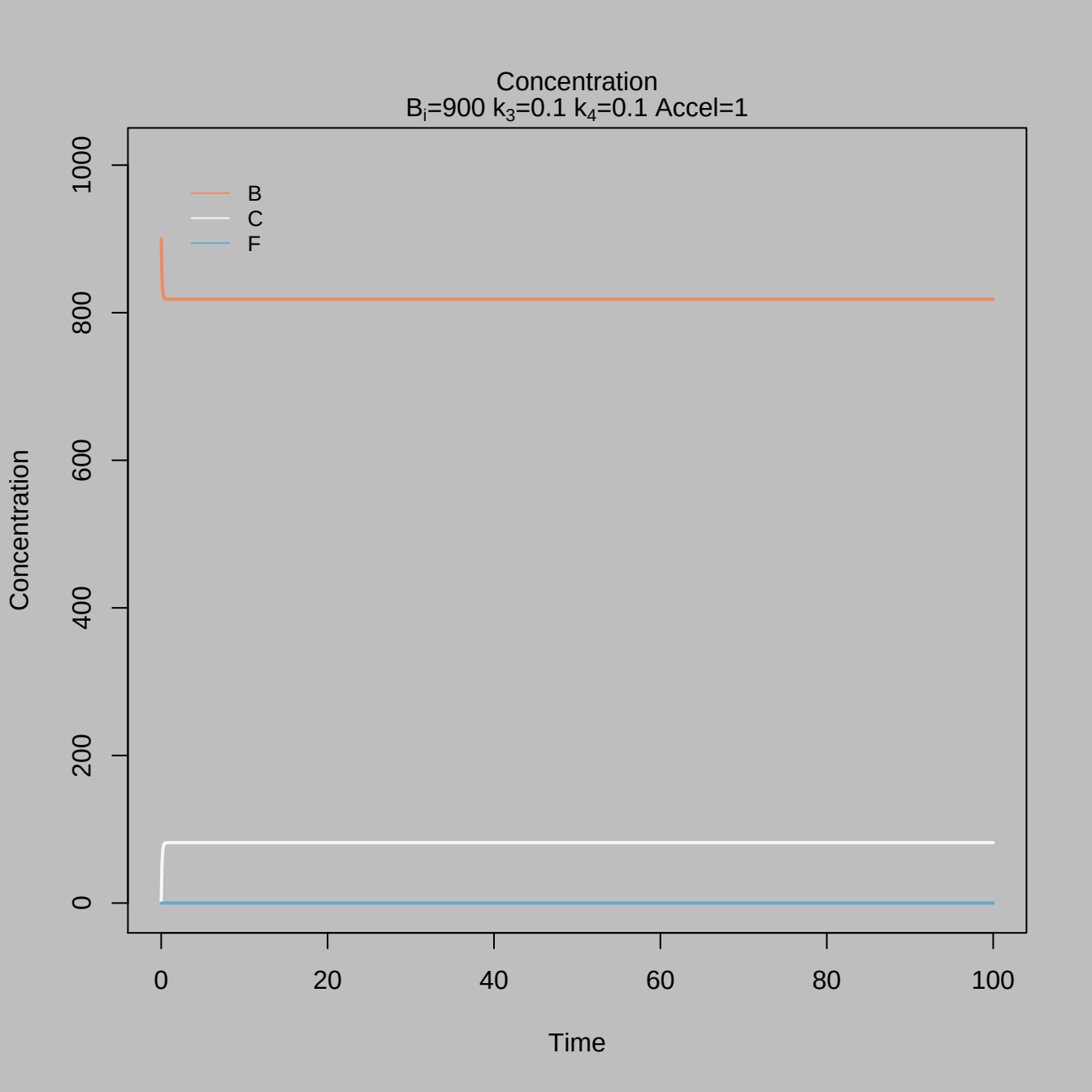
Time


Concentration
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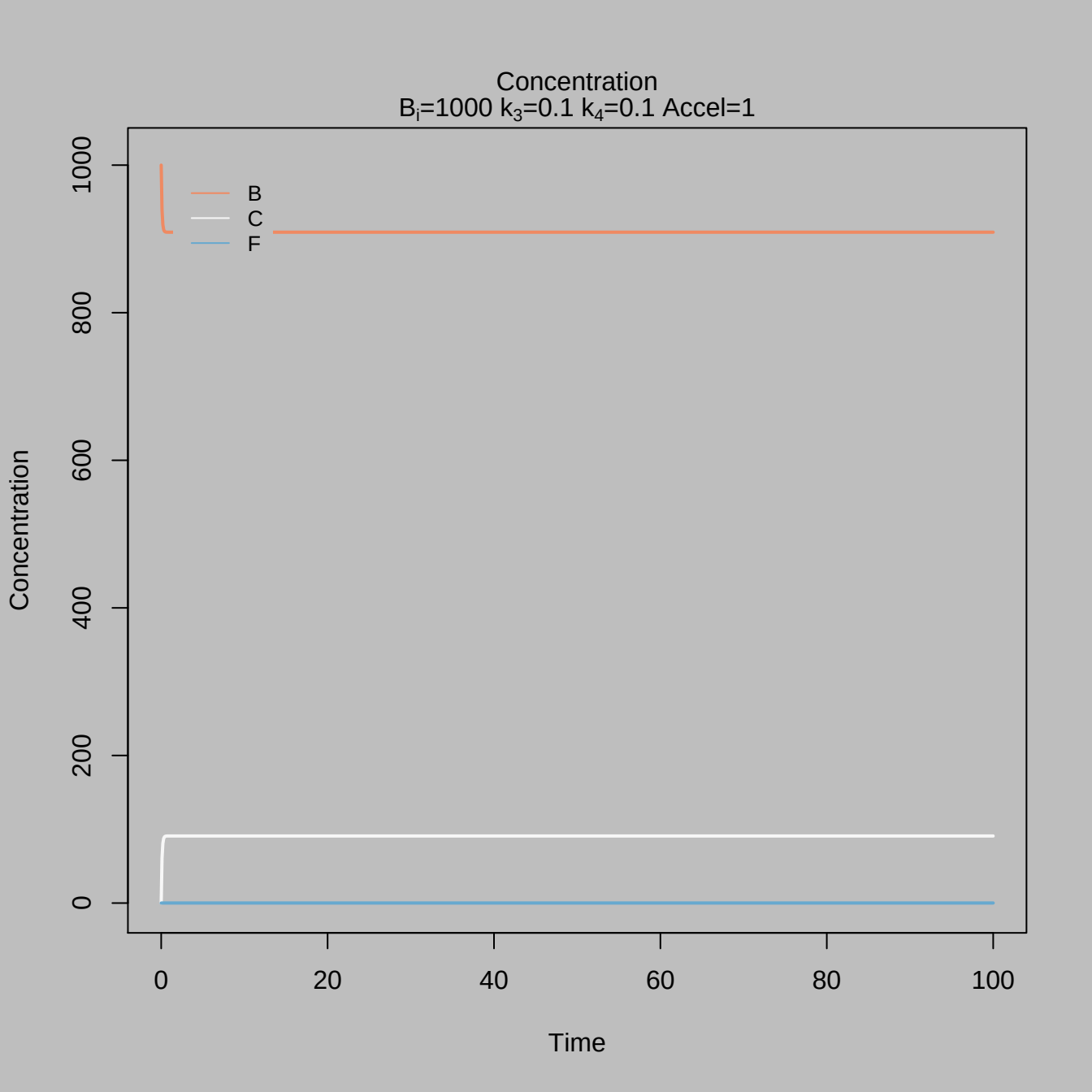
Time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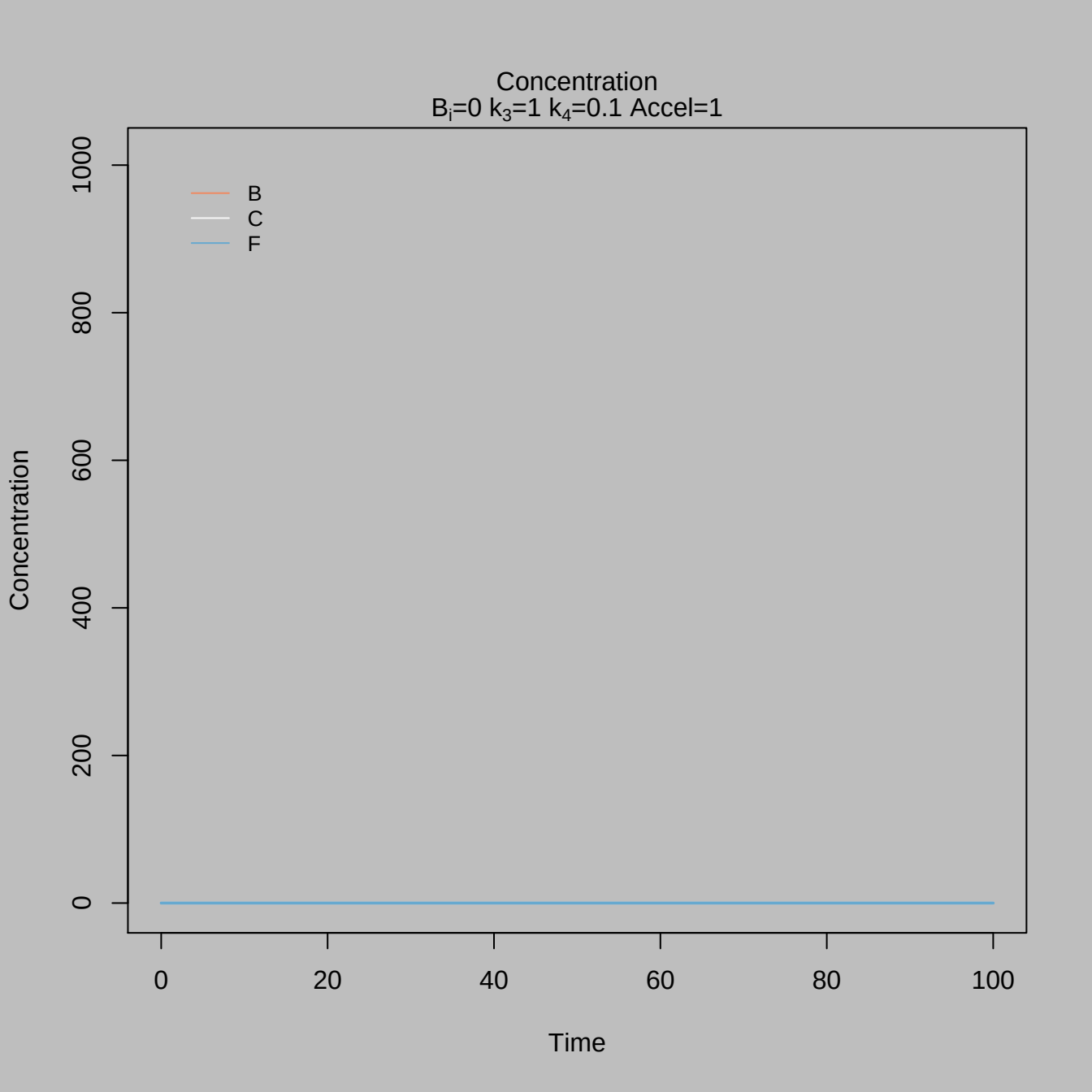
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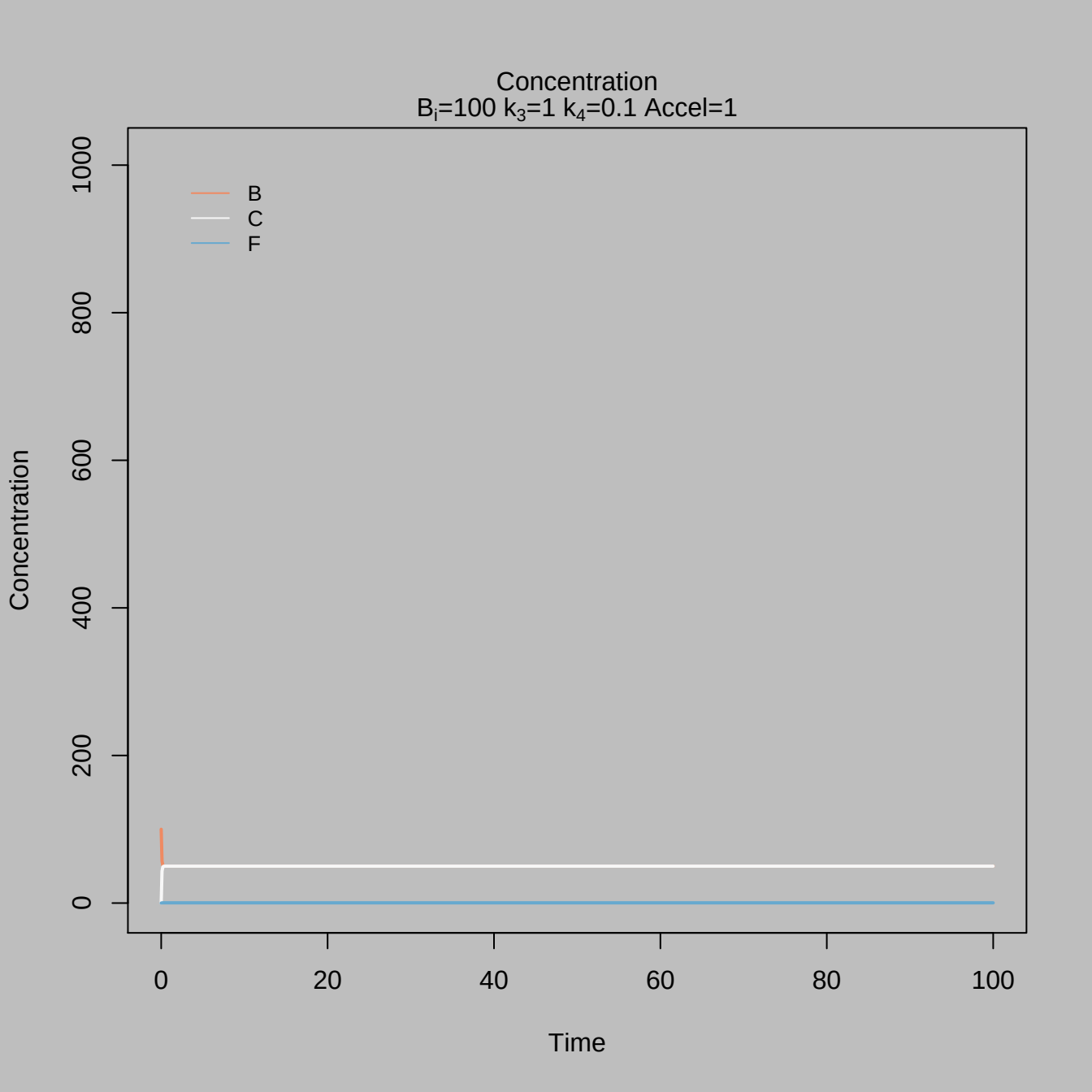
Time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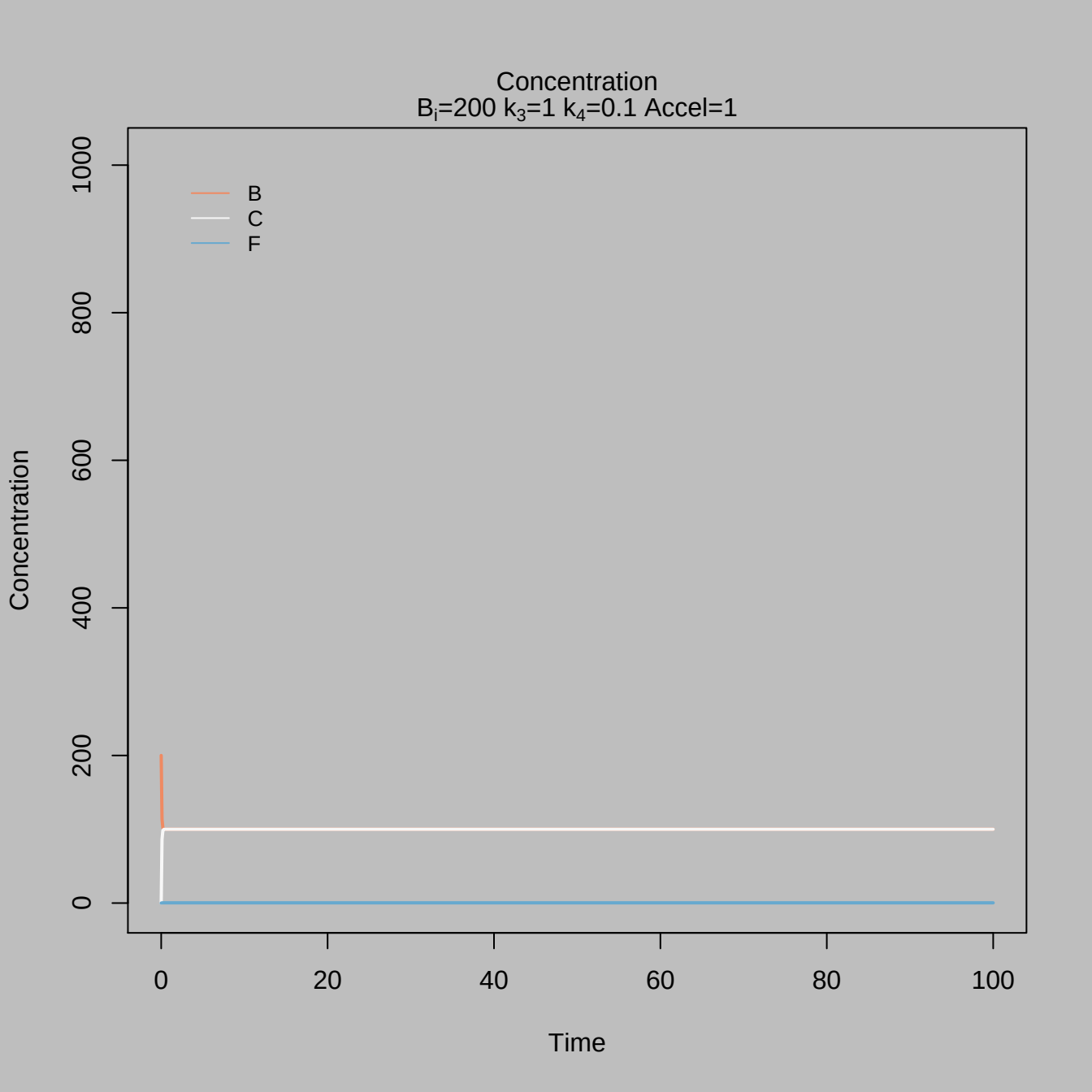
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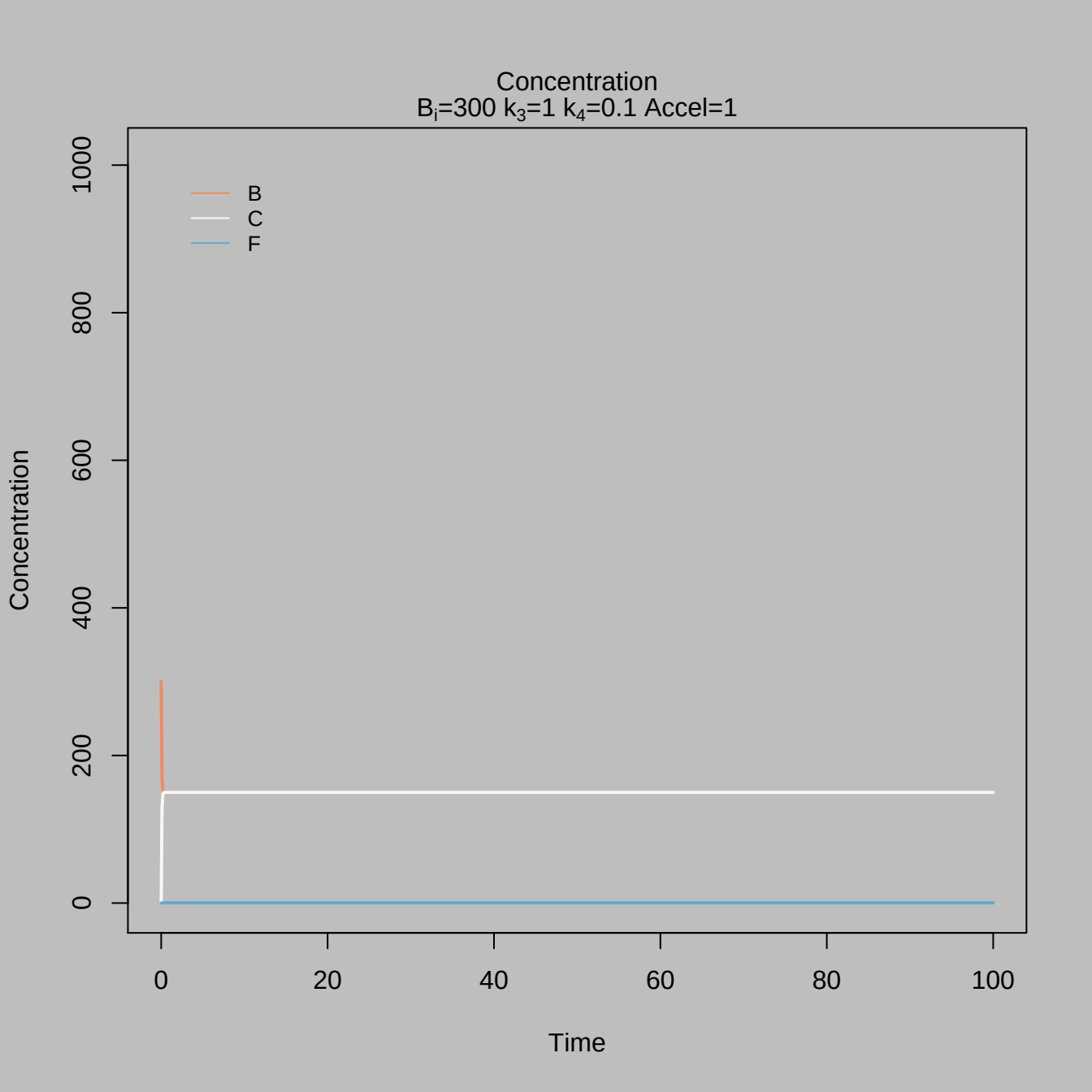
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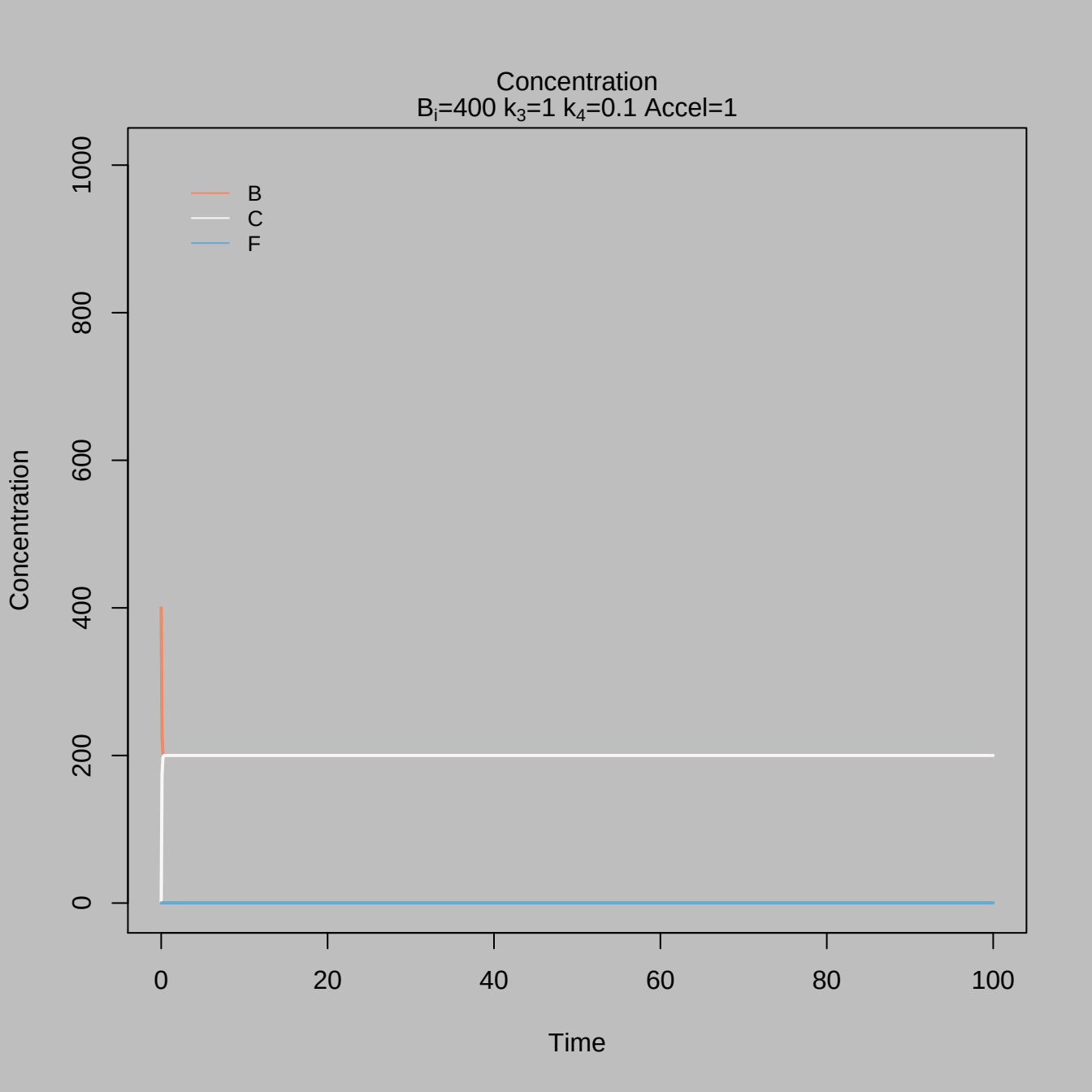
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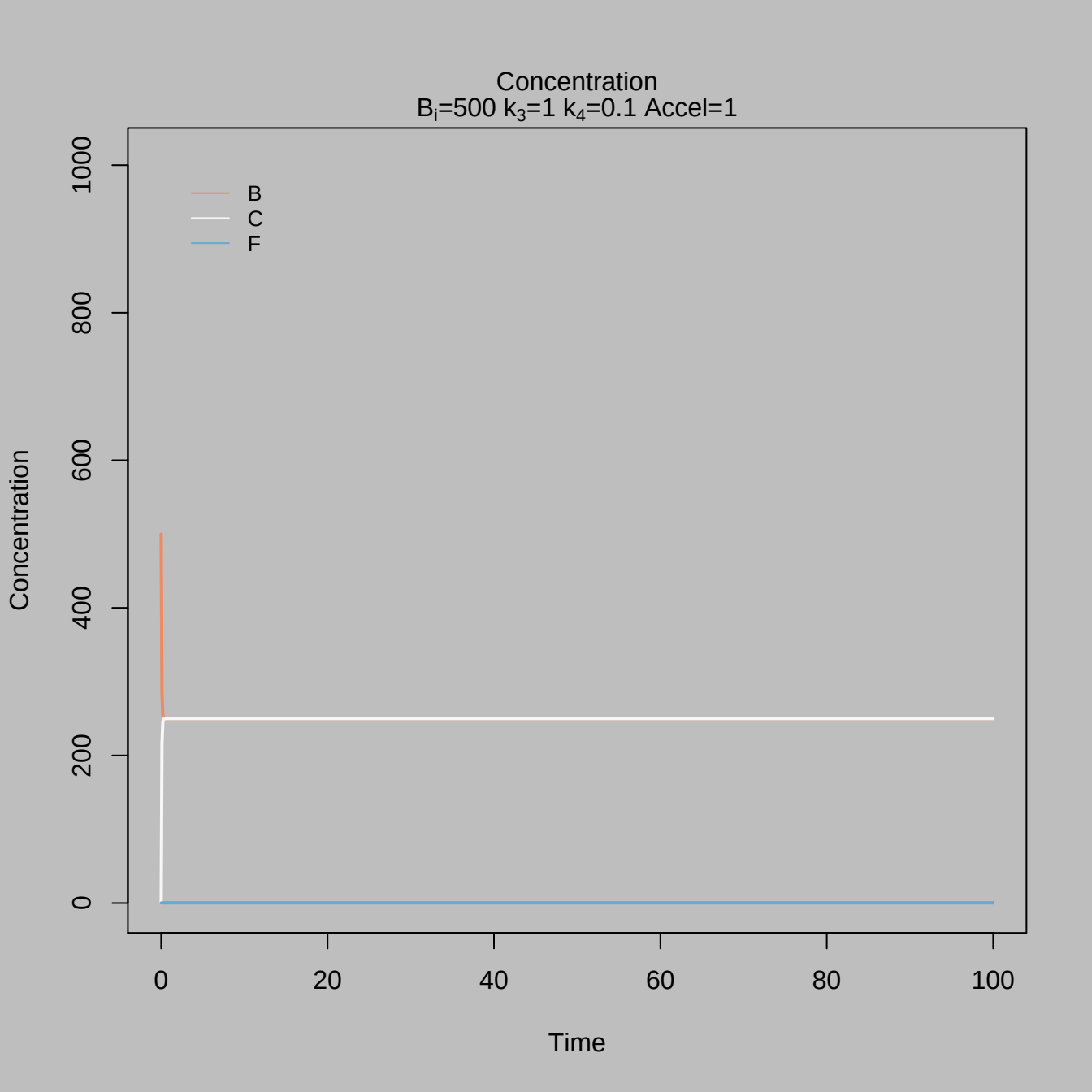
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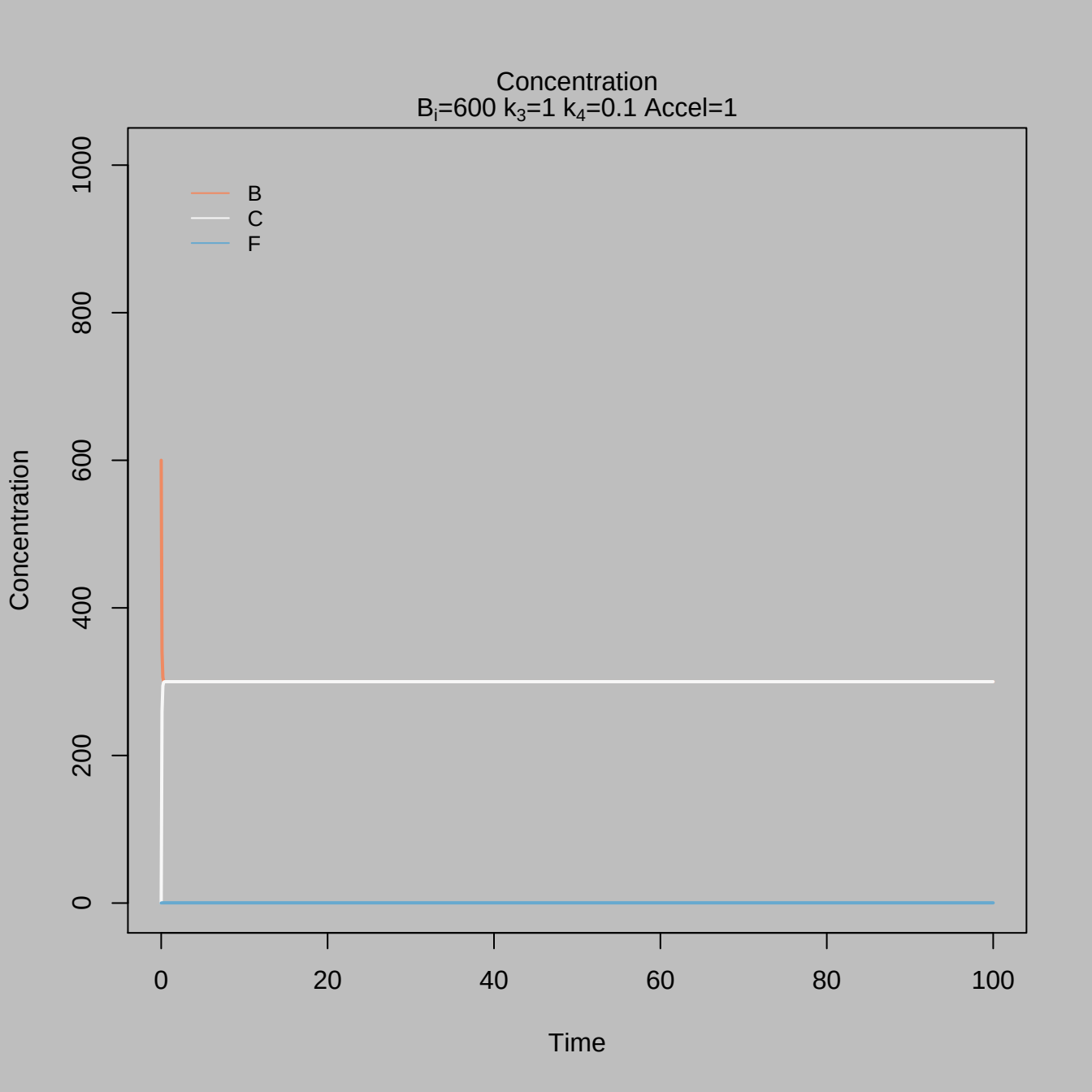
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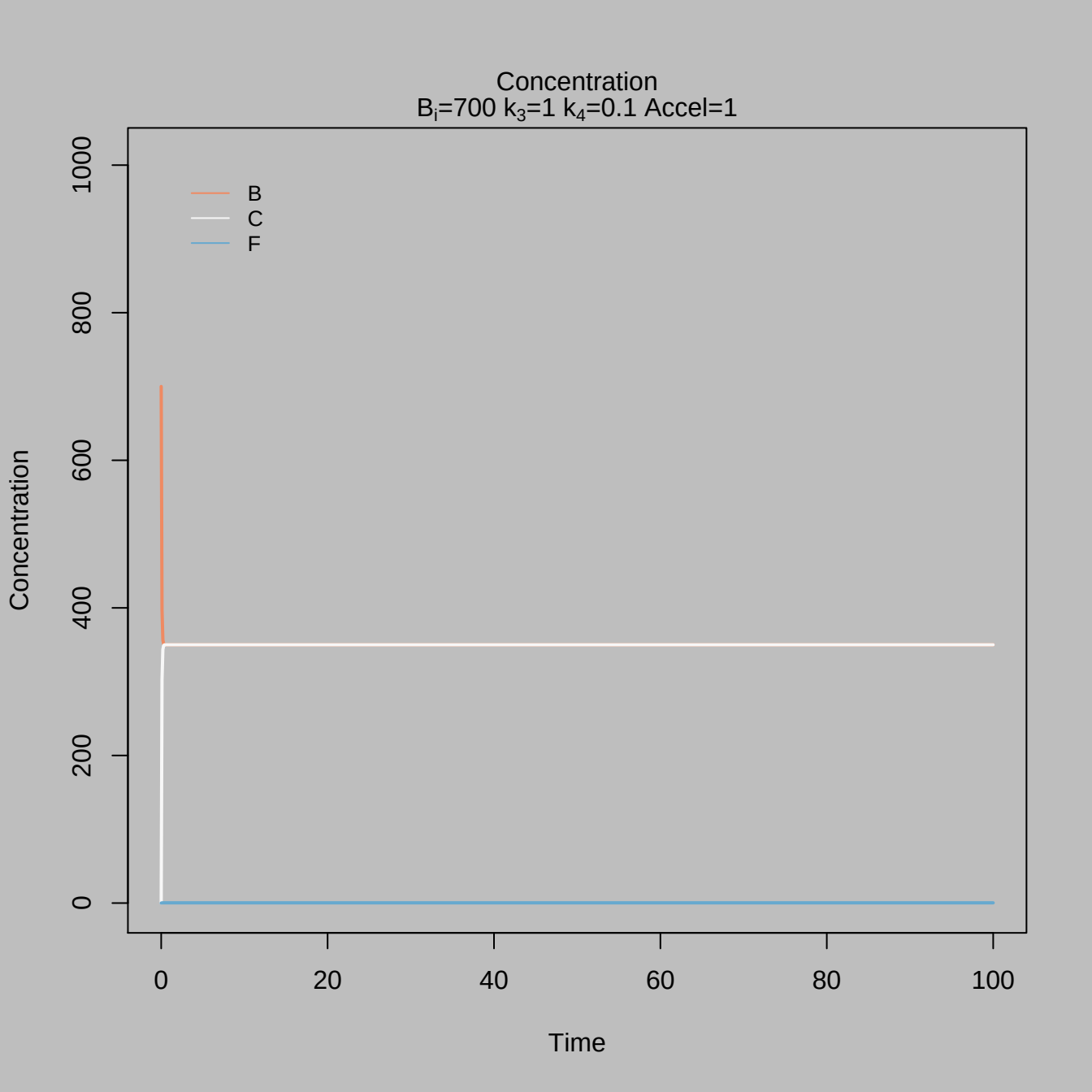
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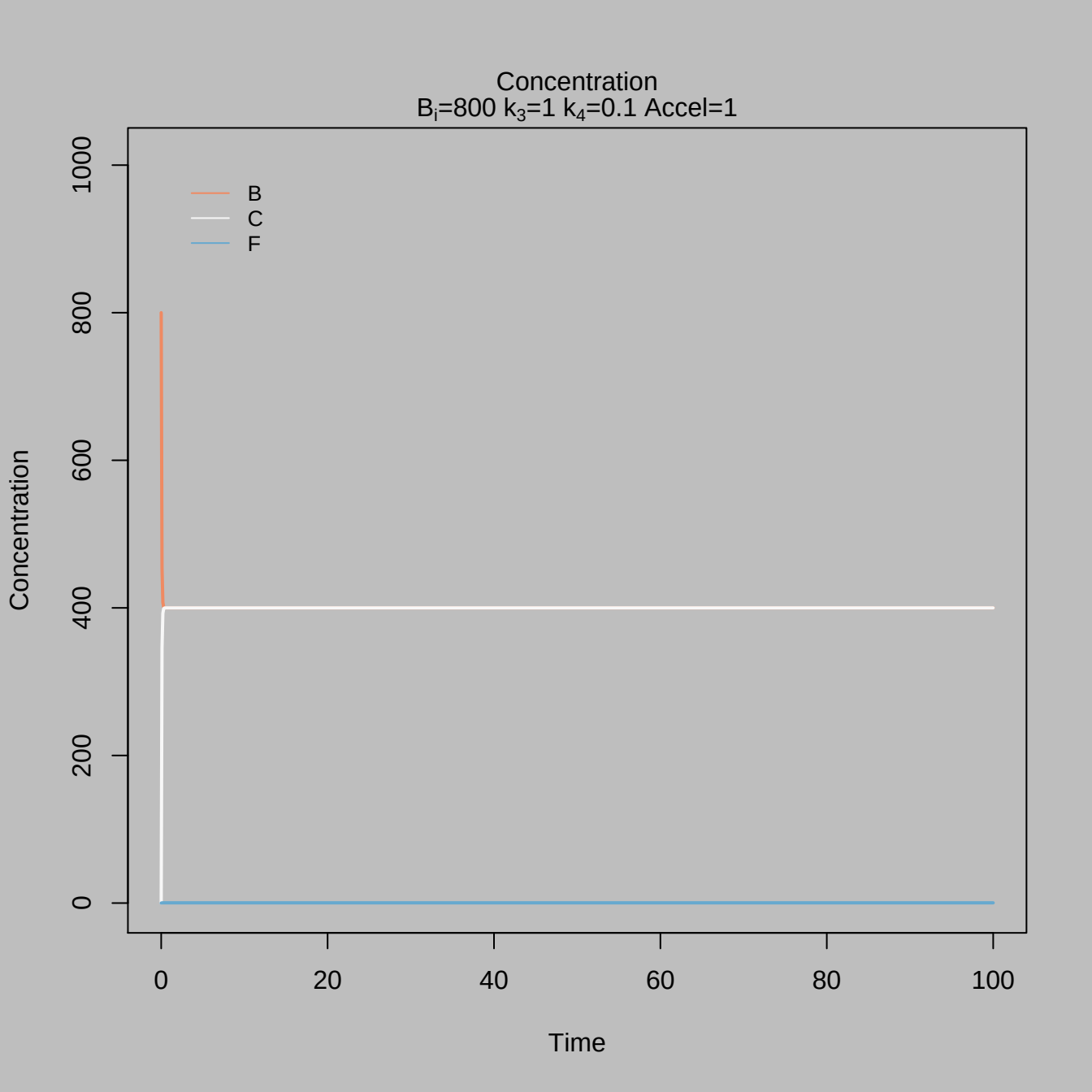
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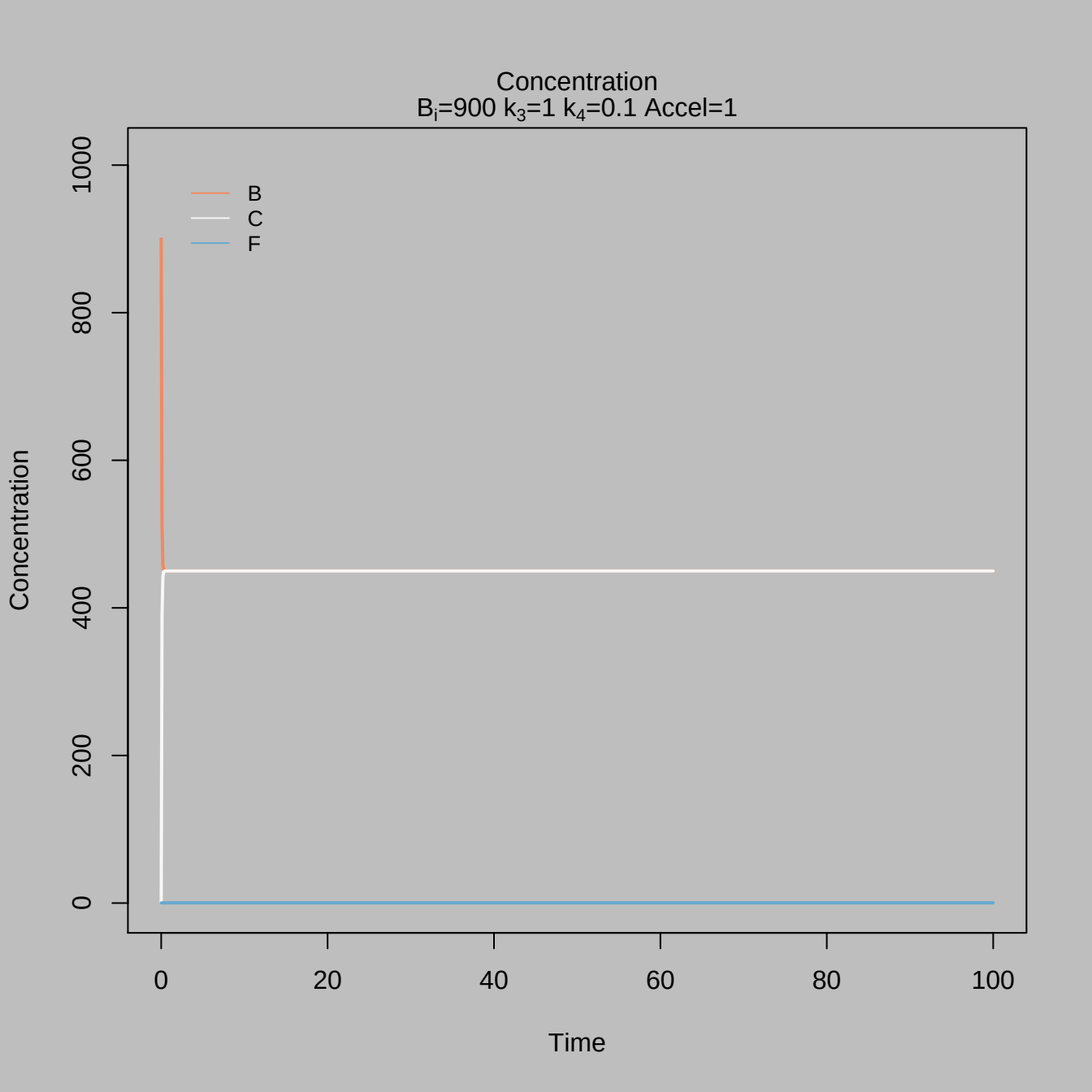
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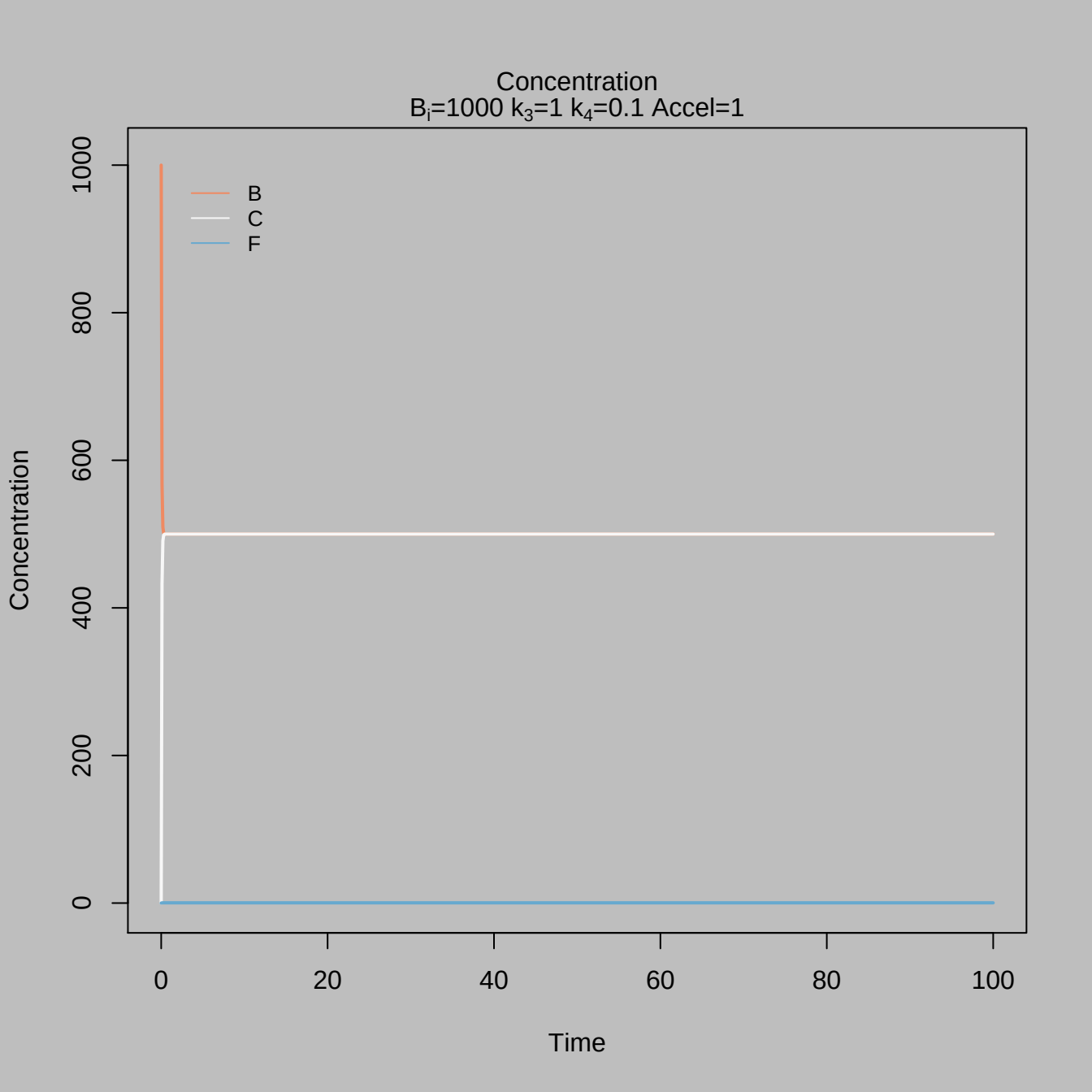
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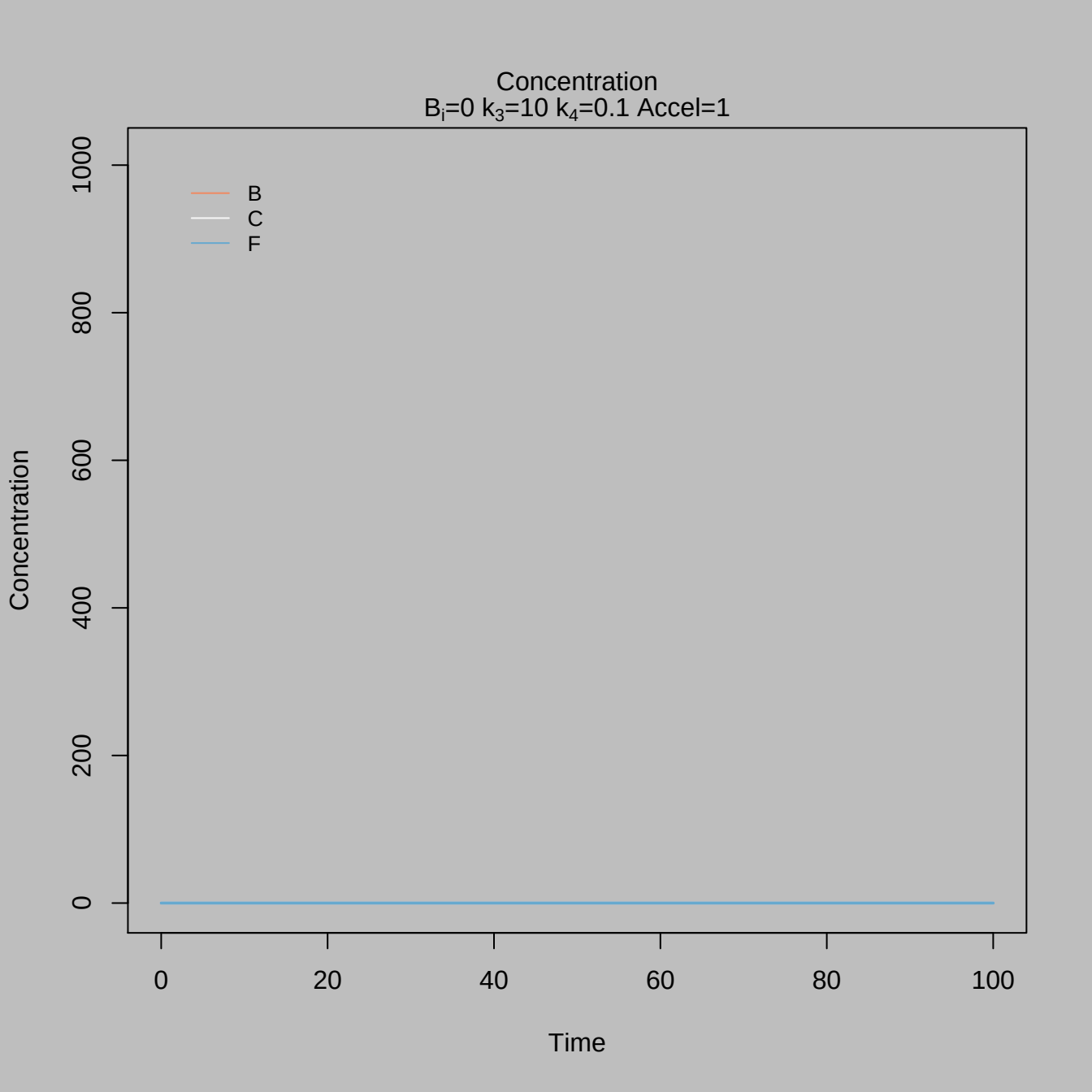
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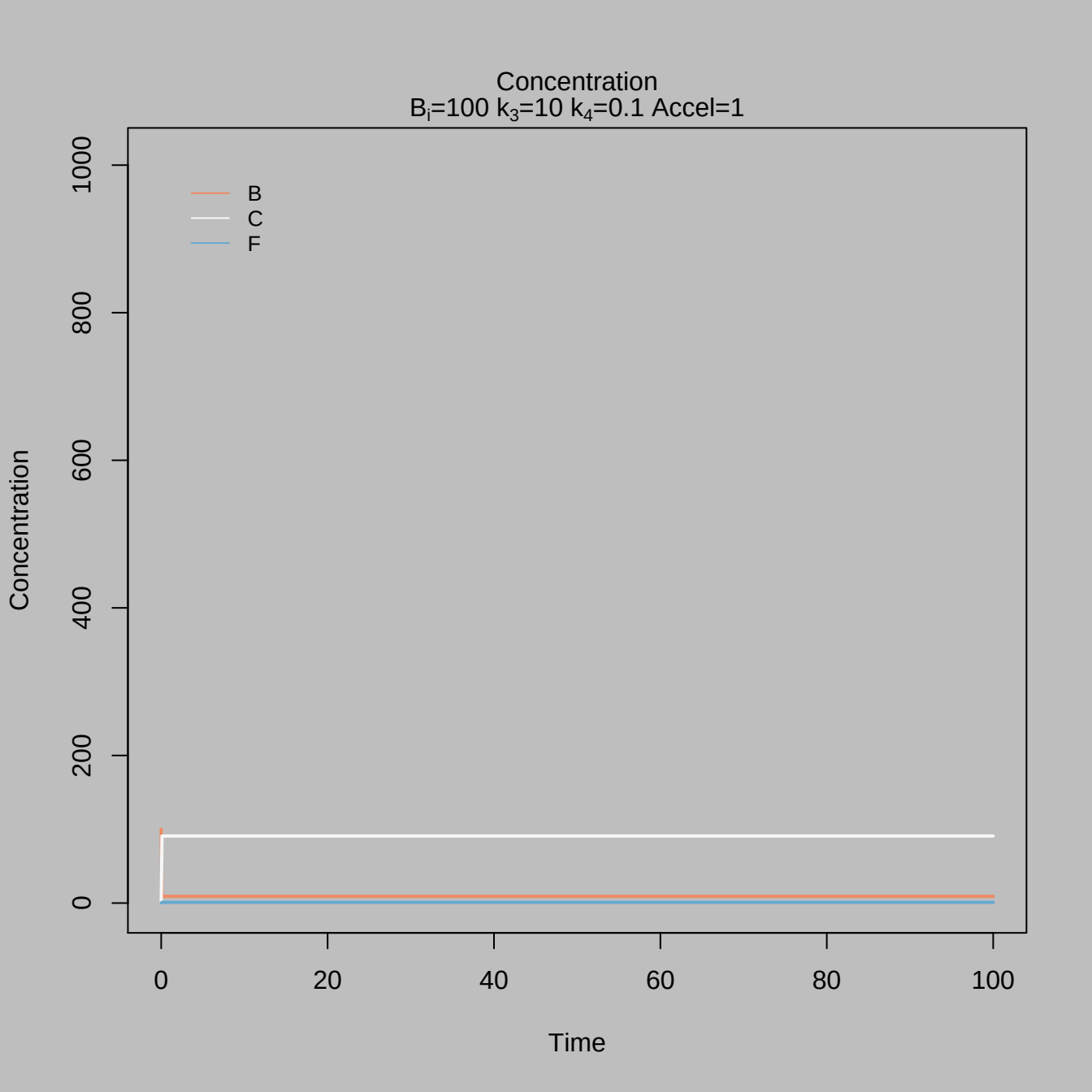
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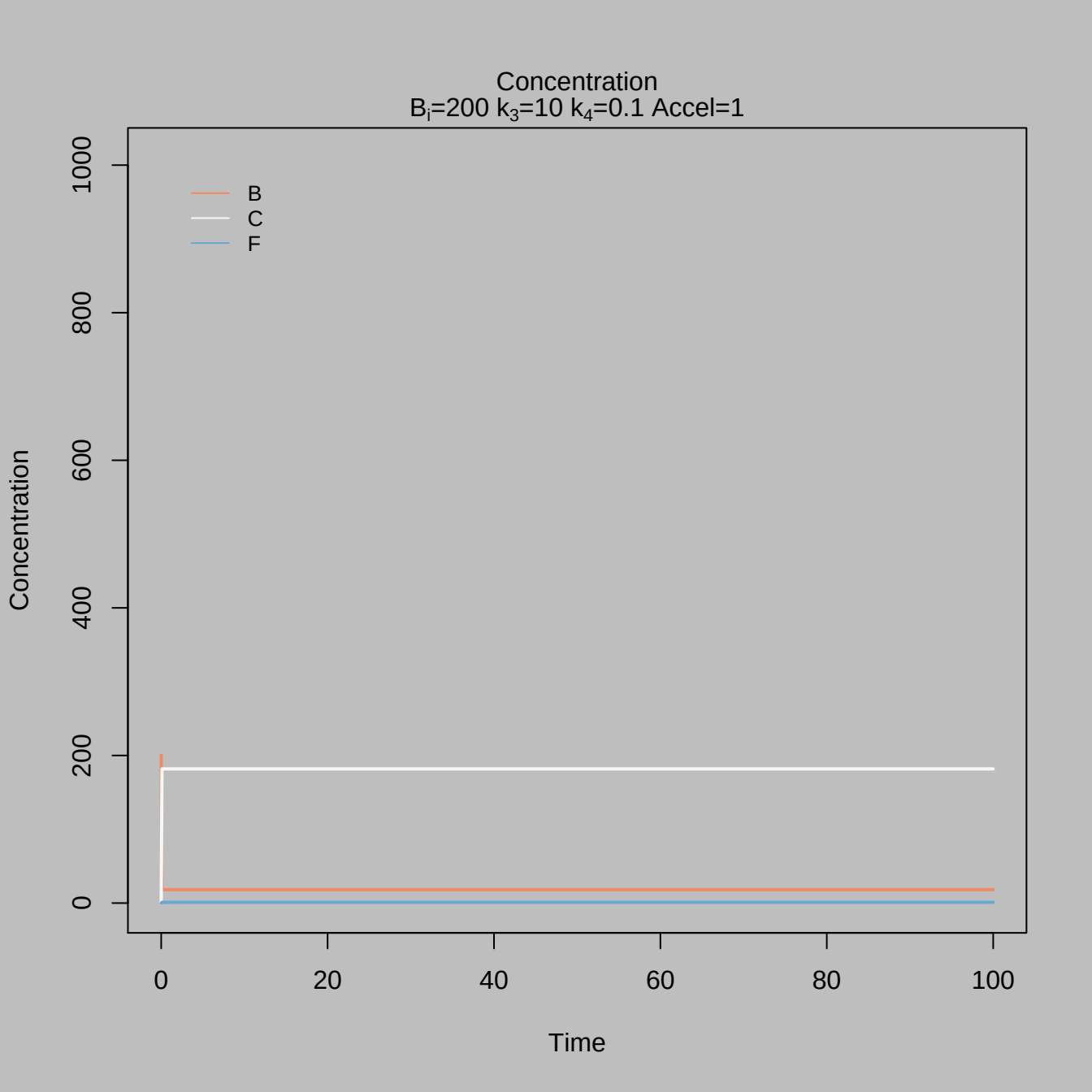
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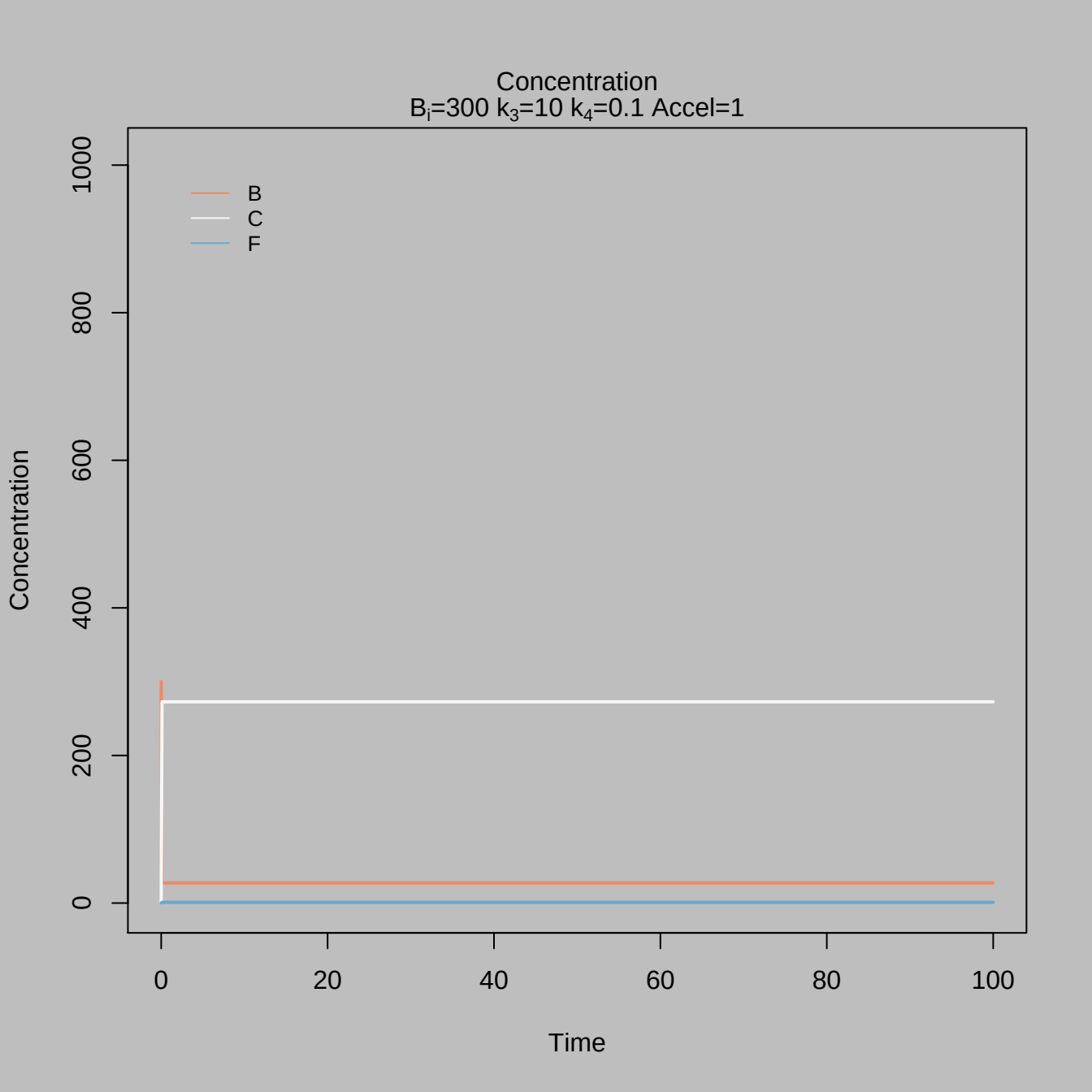
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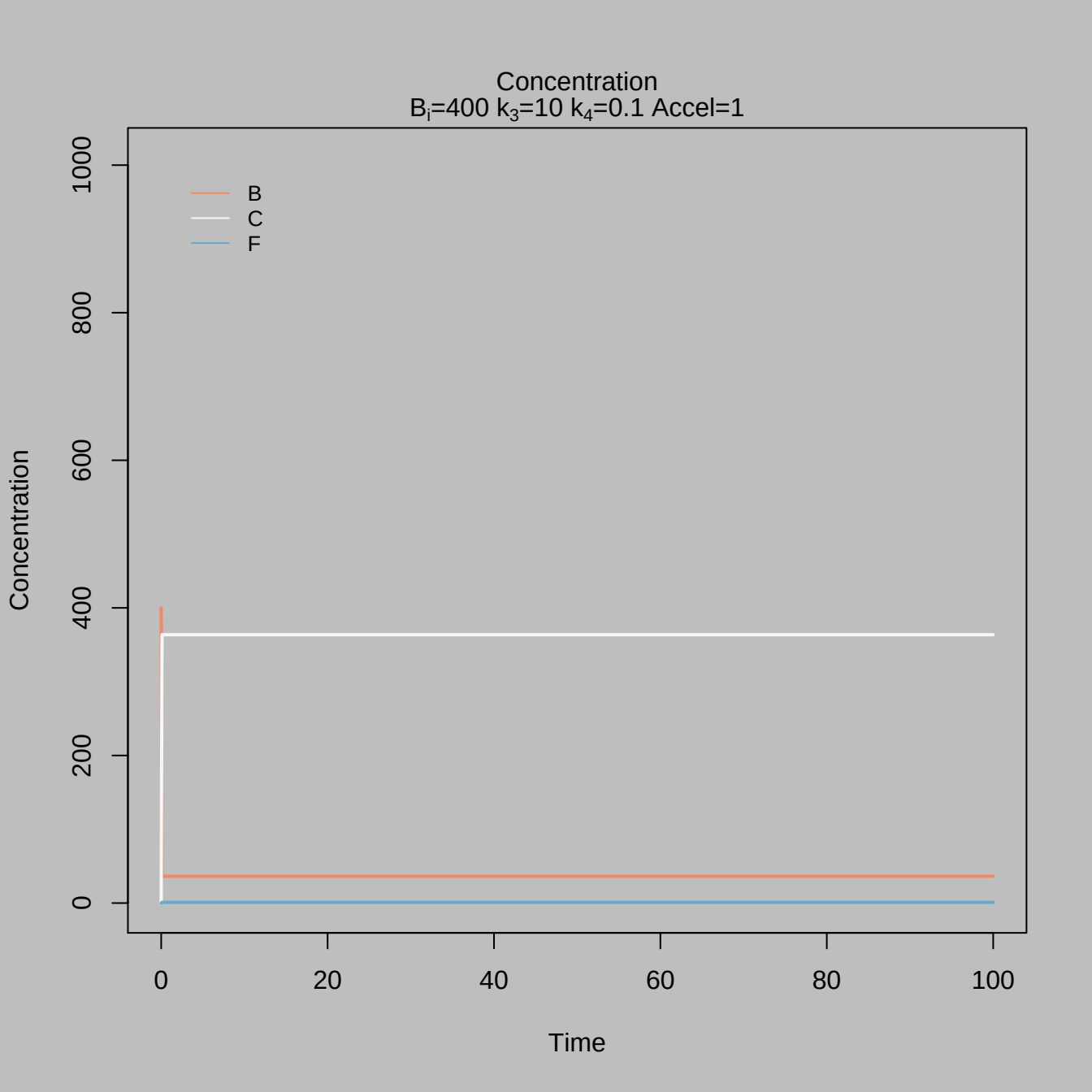
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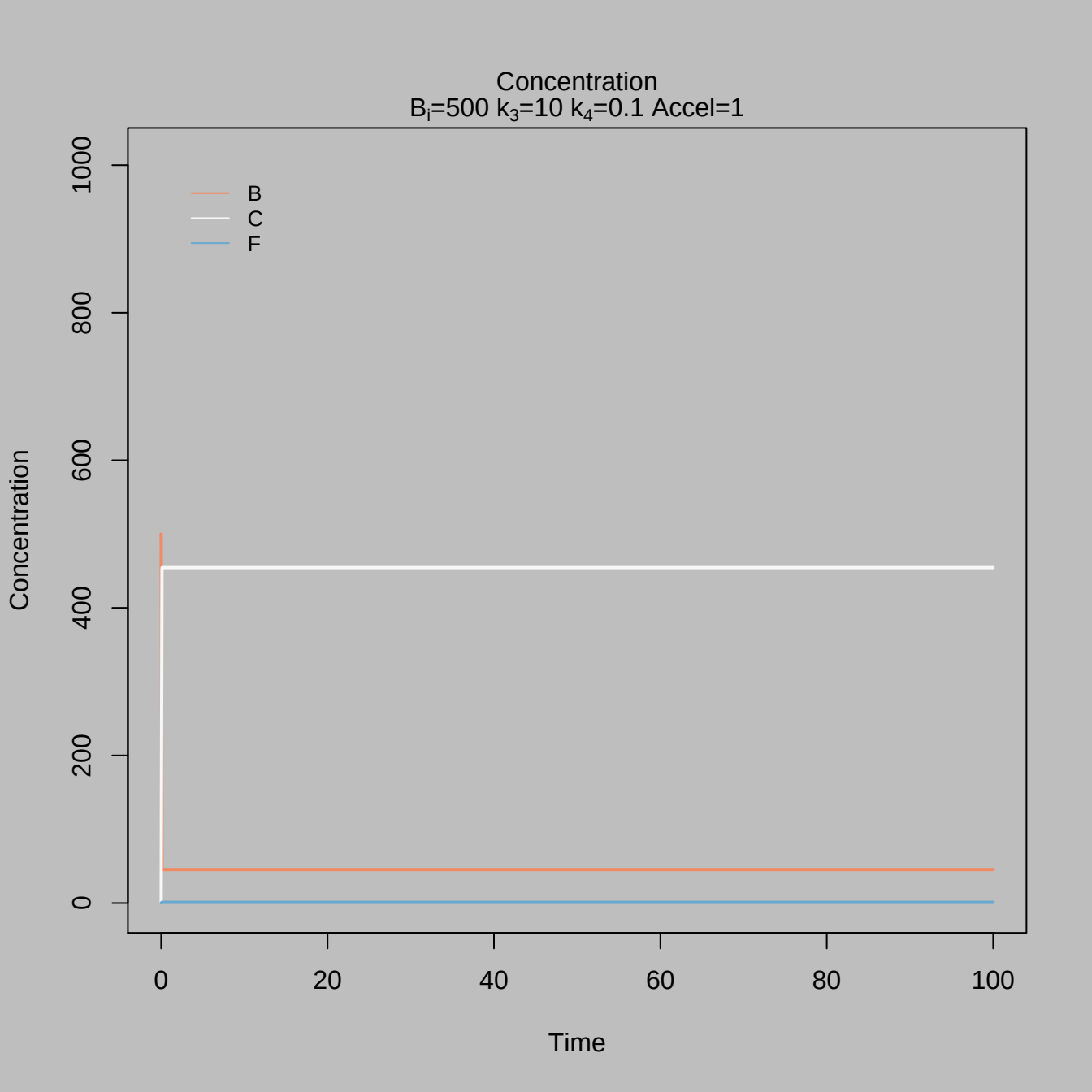
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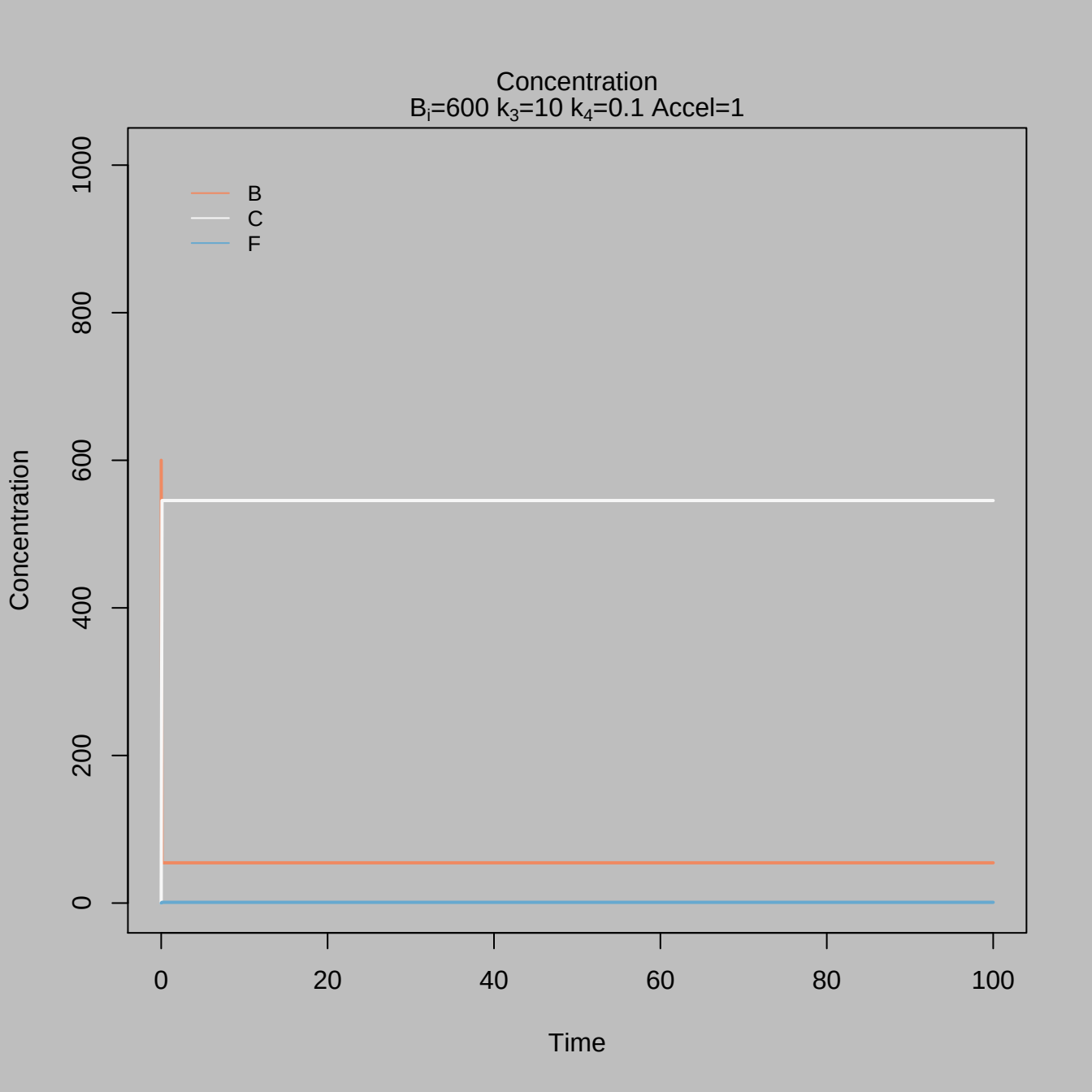
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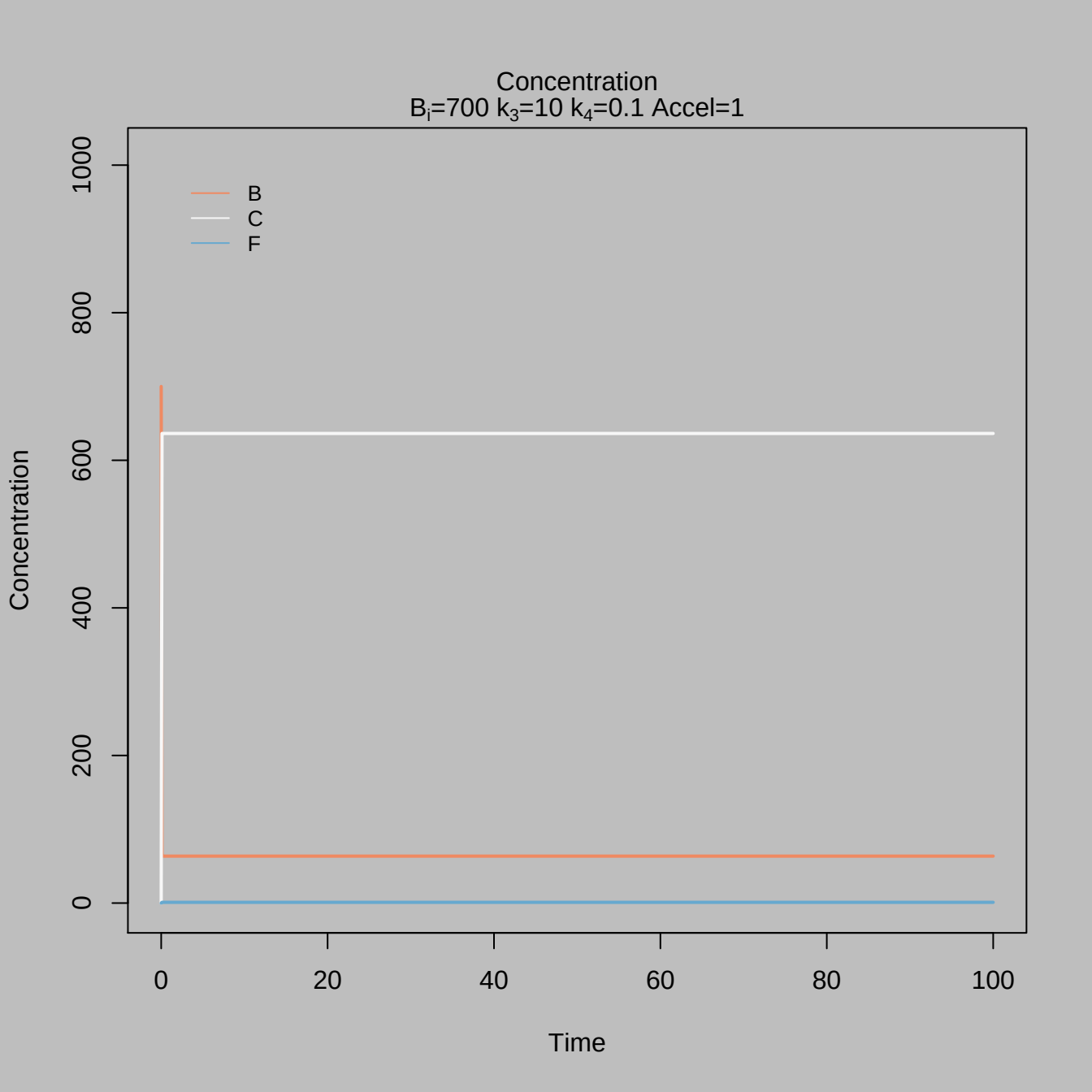
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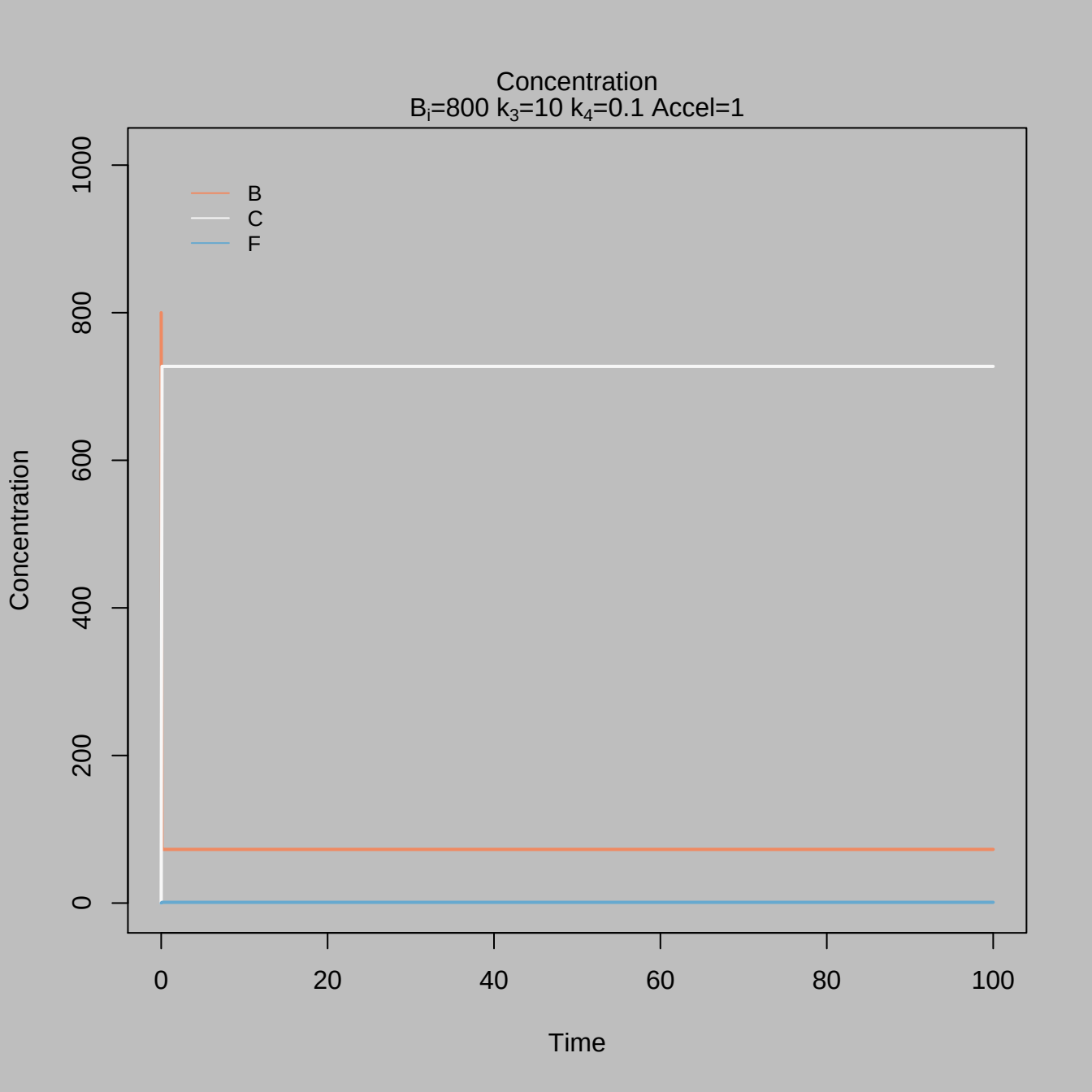
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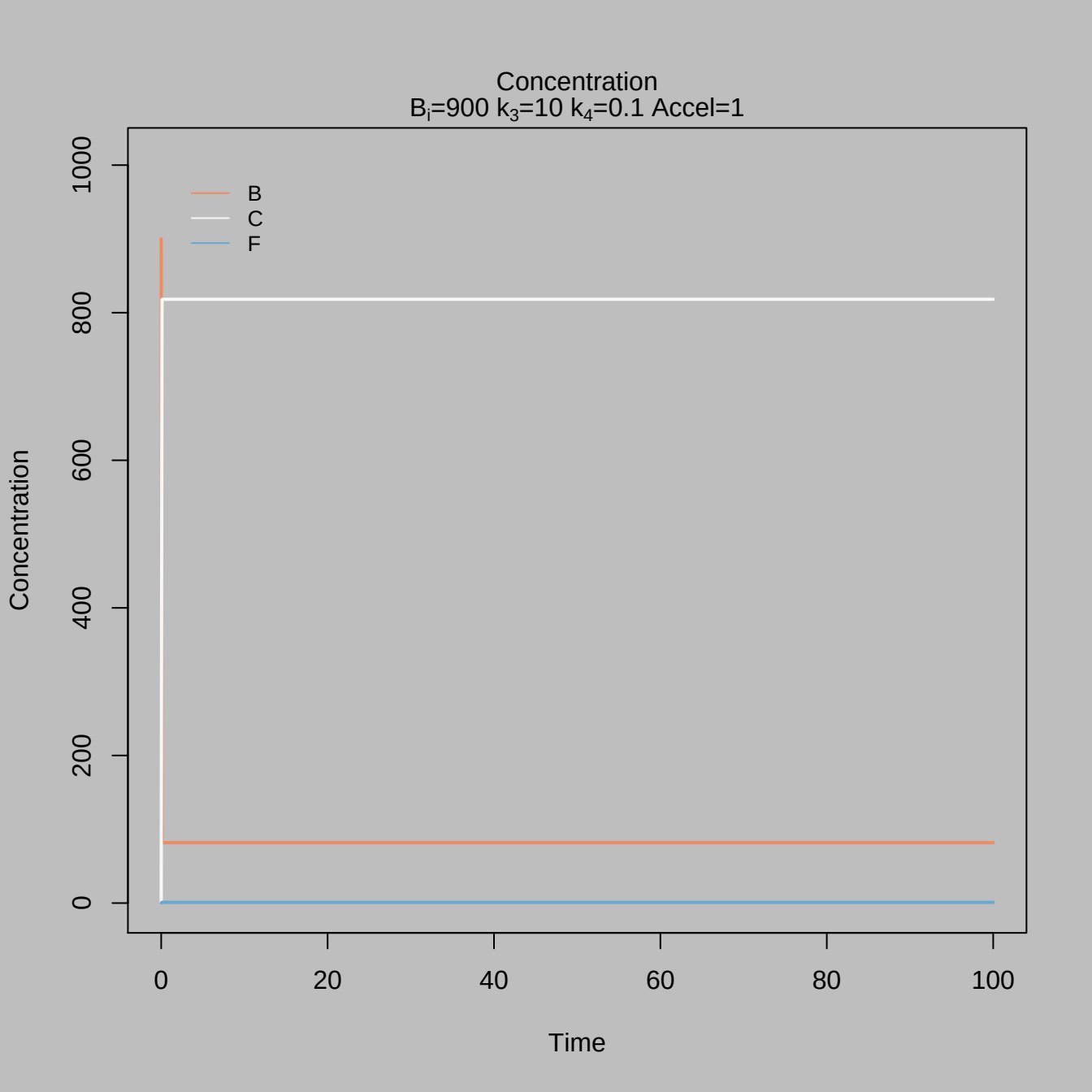
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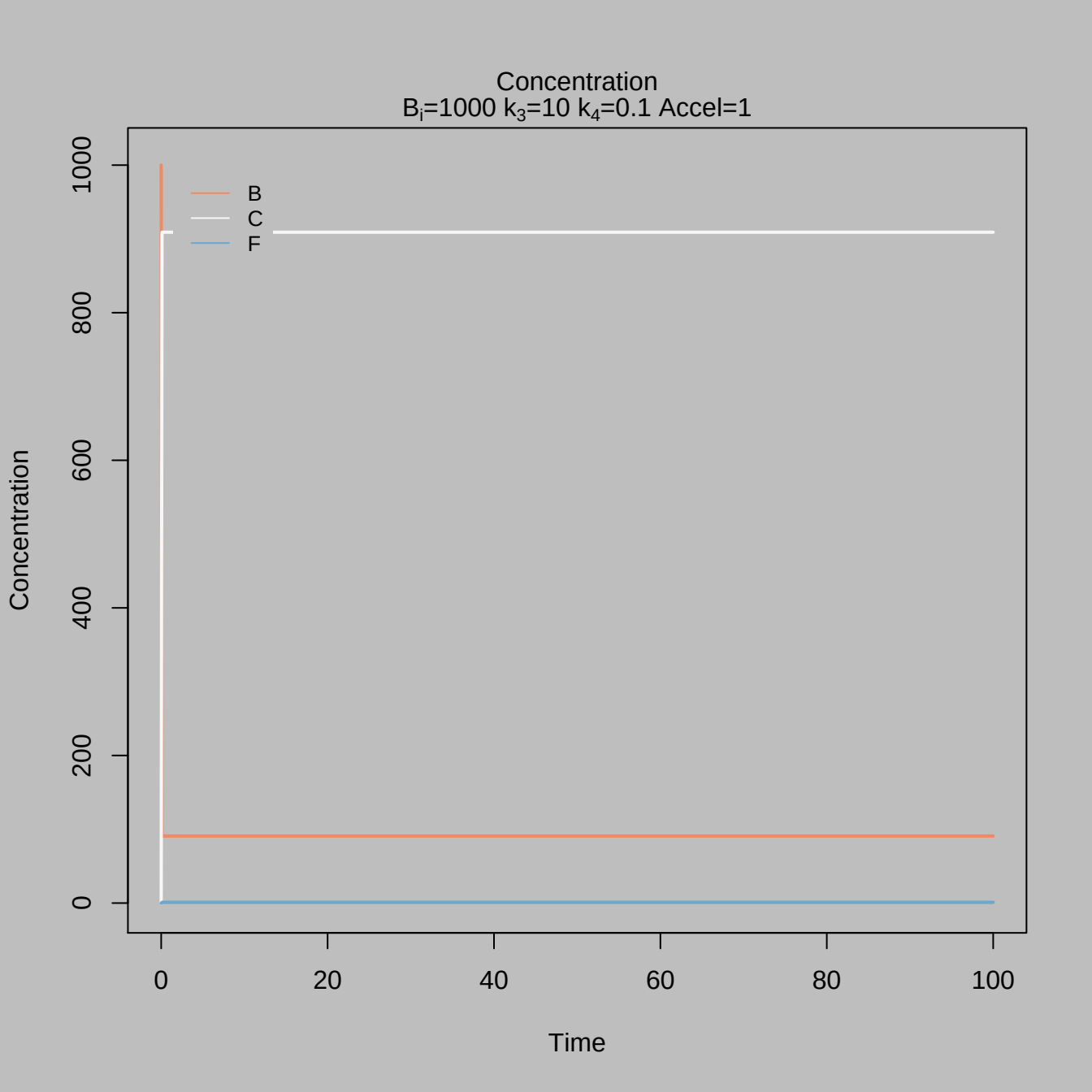
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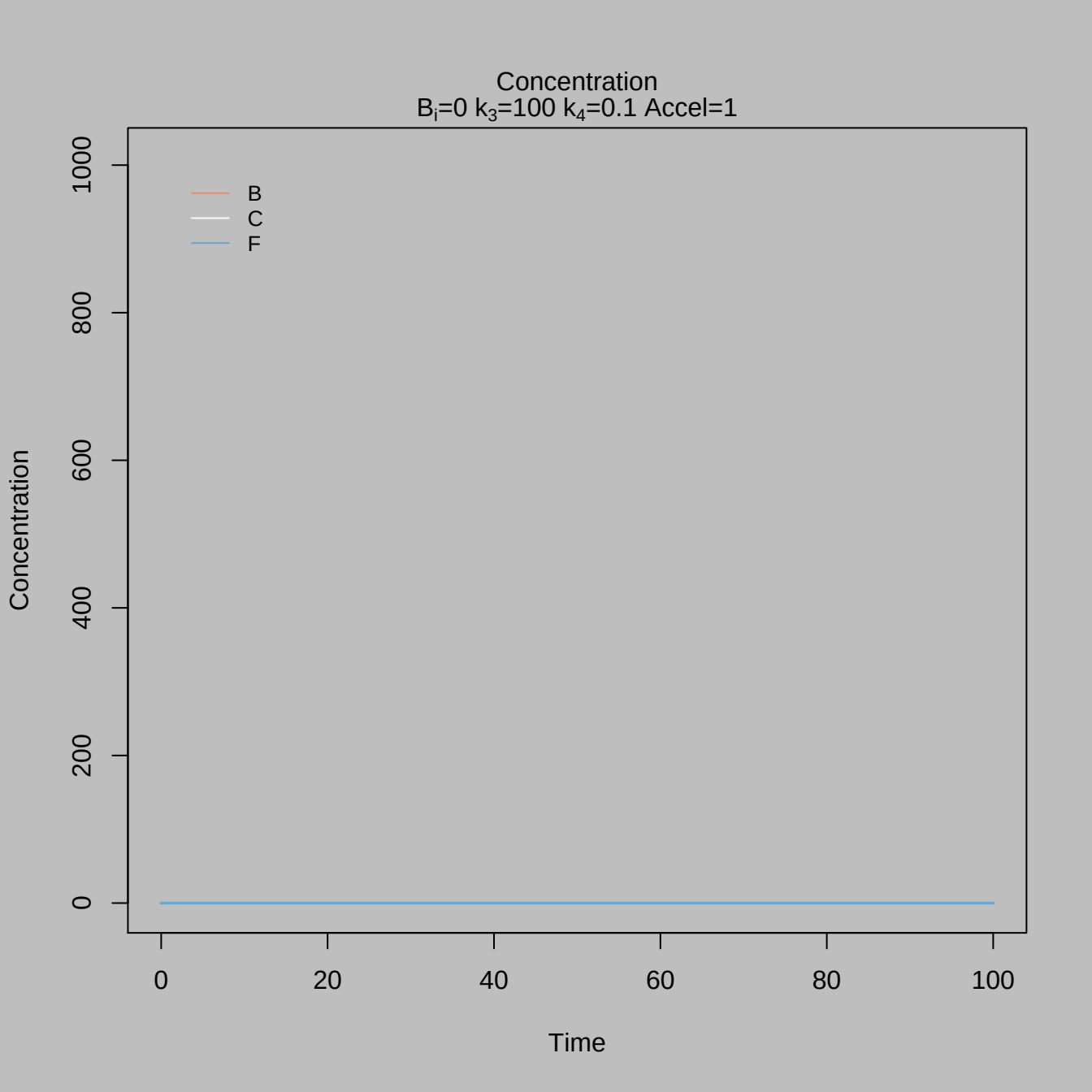
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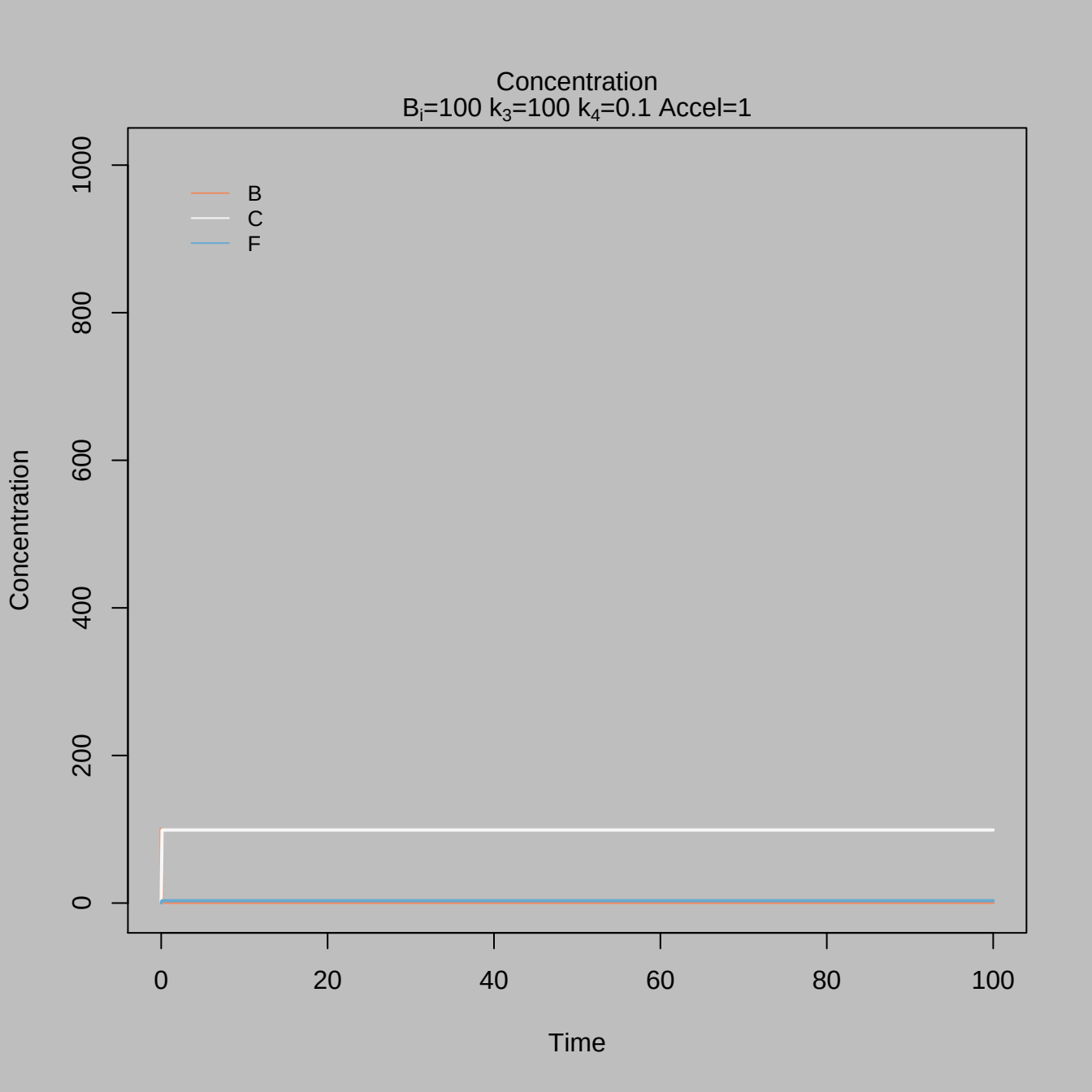
Concentration
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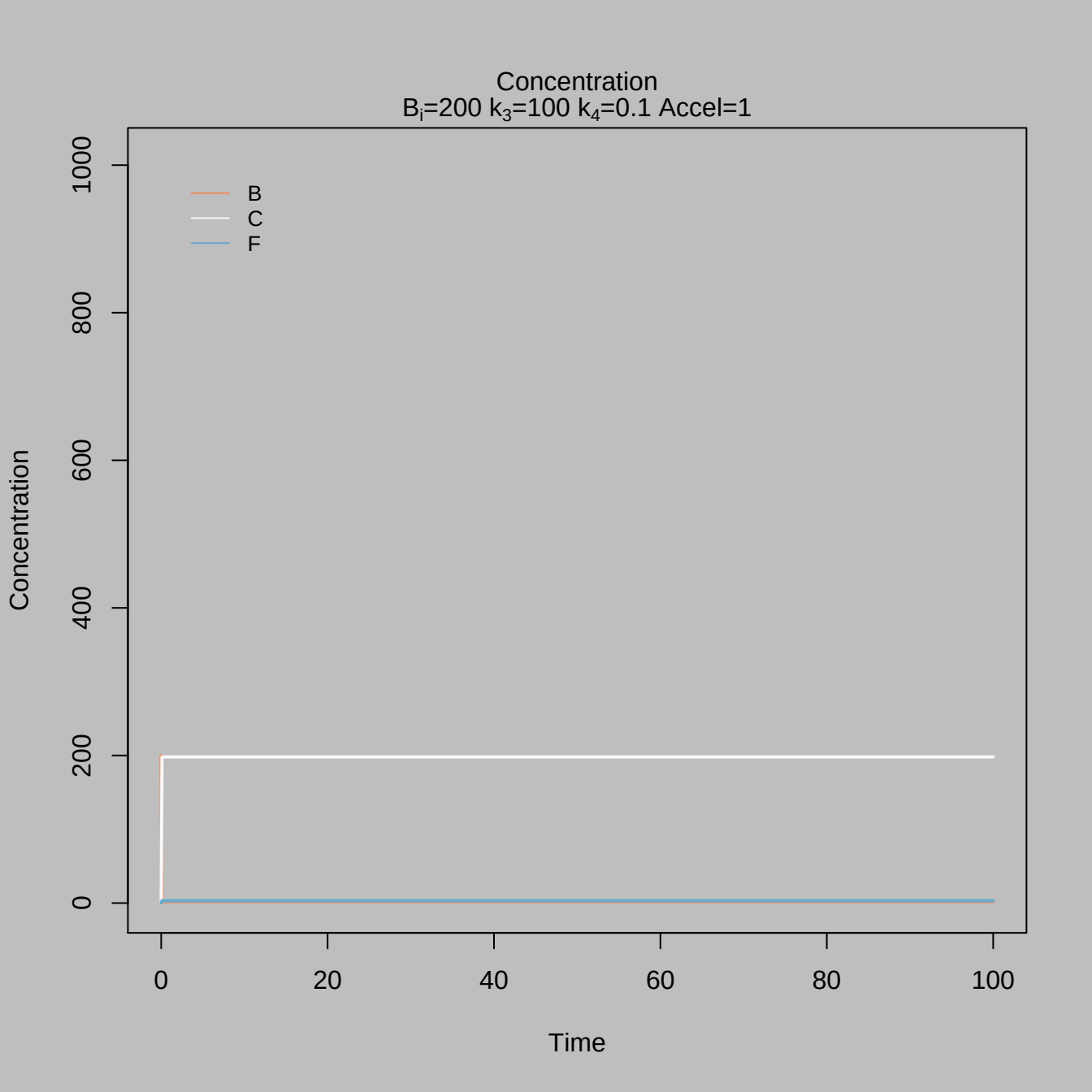
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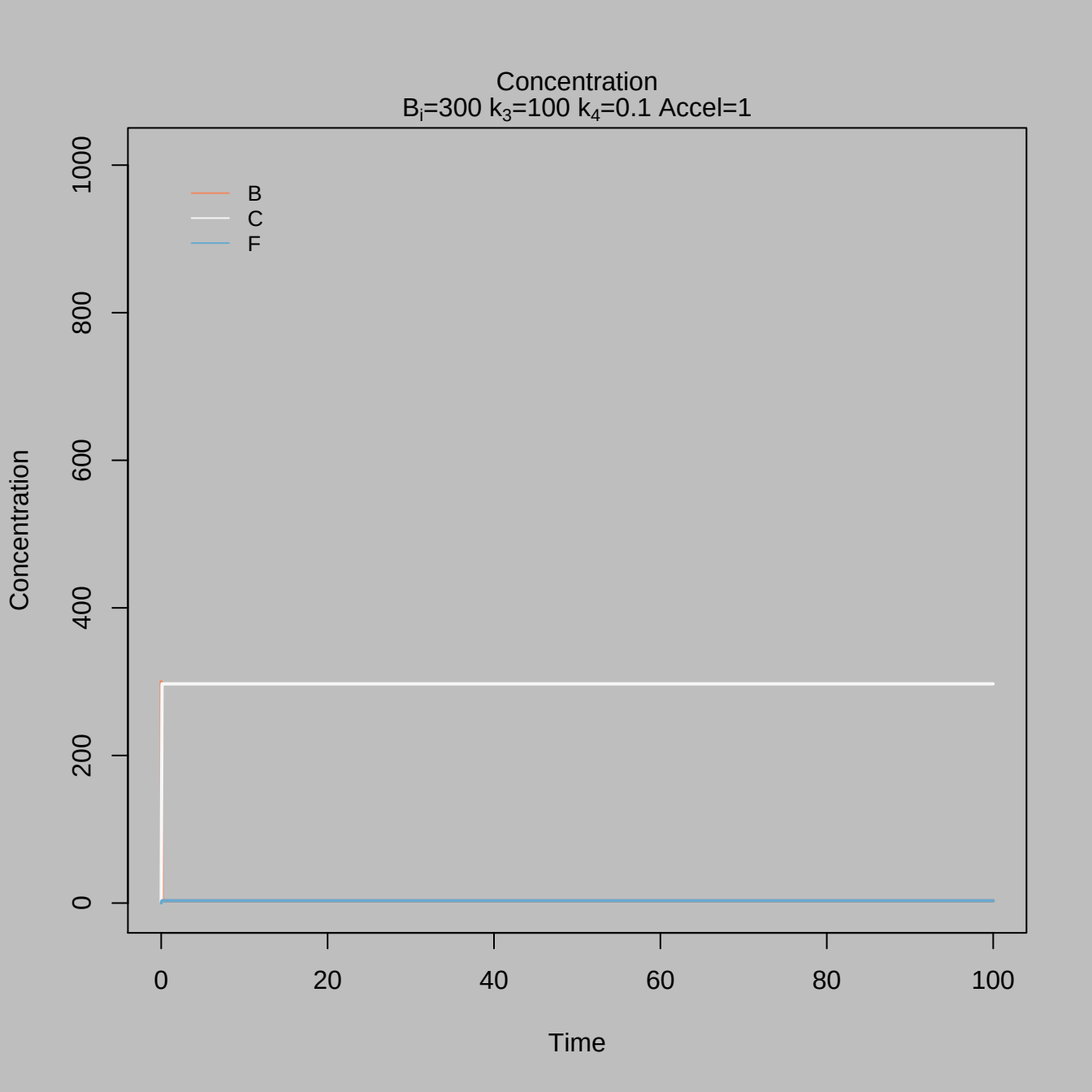
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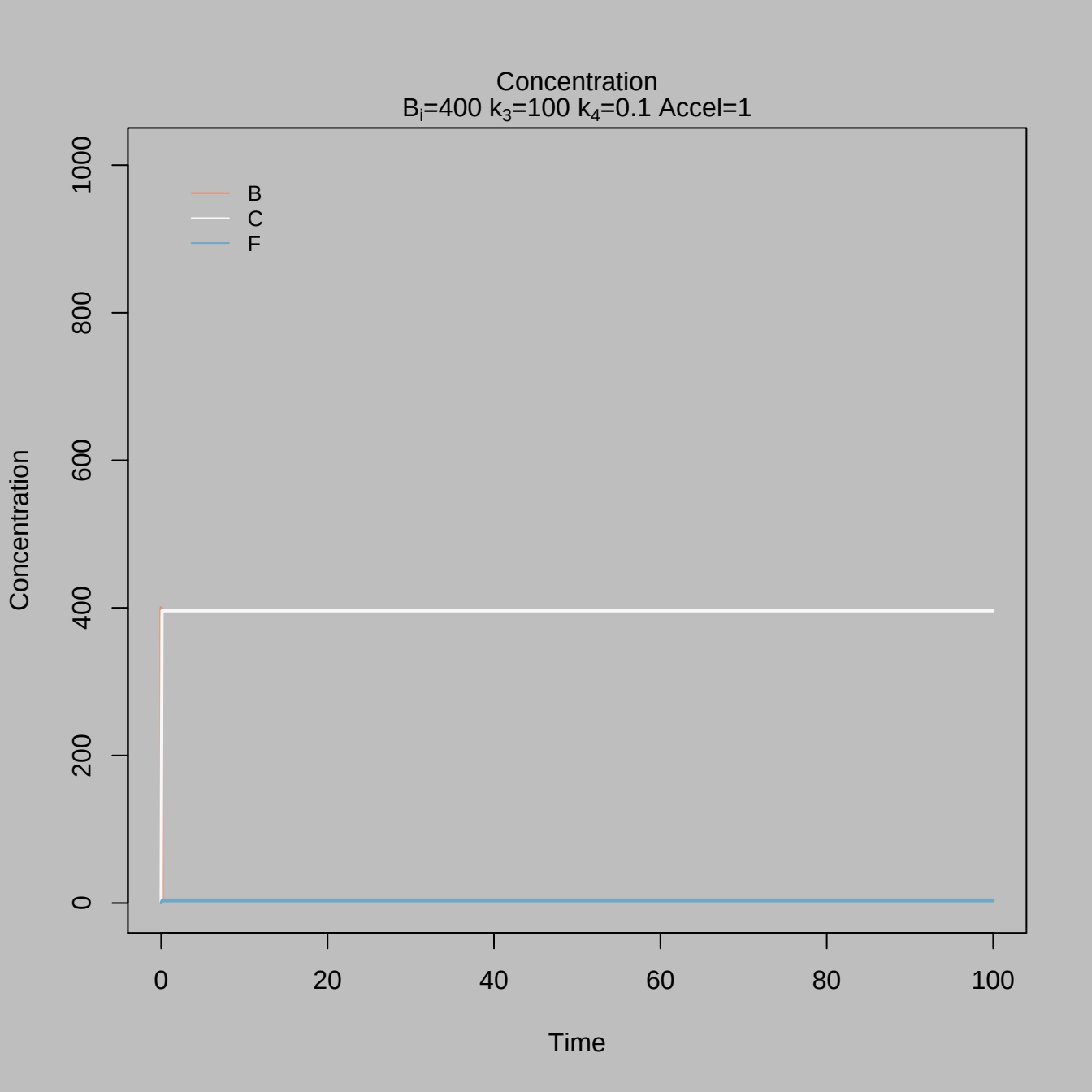
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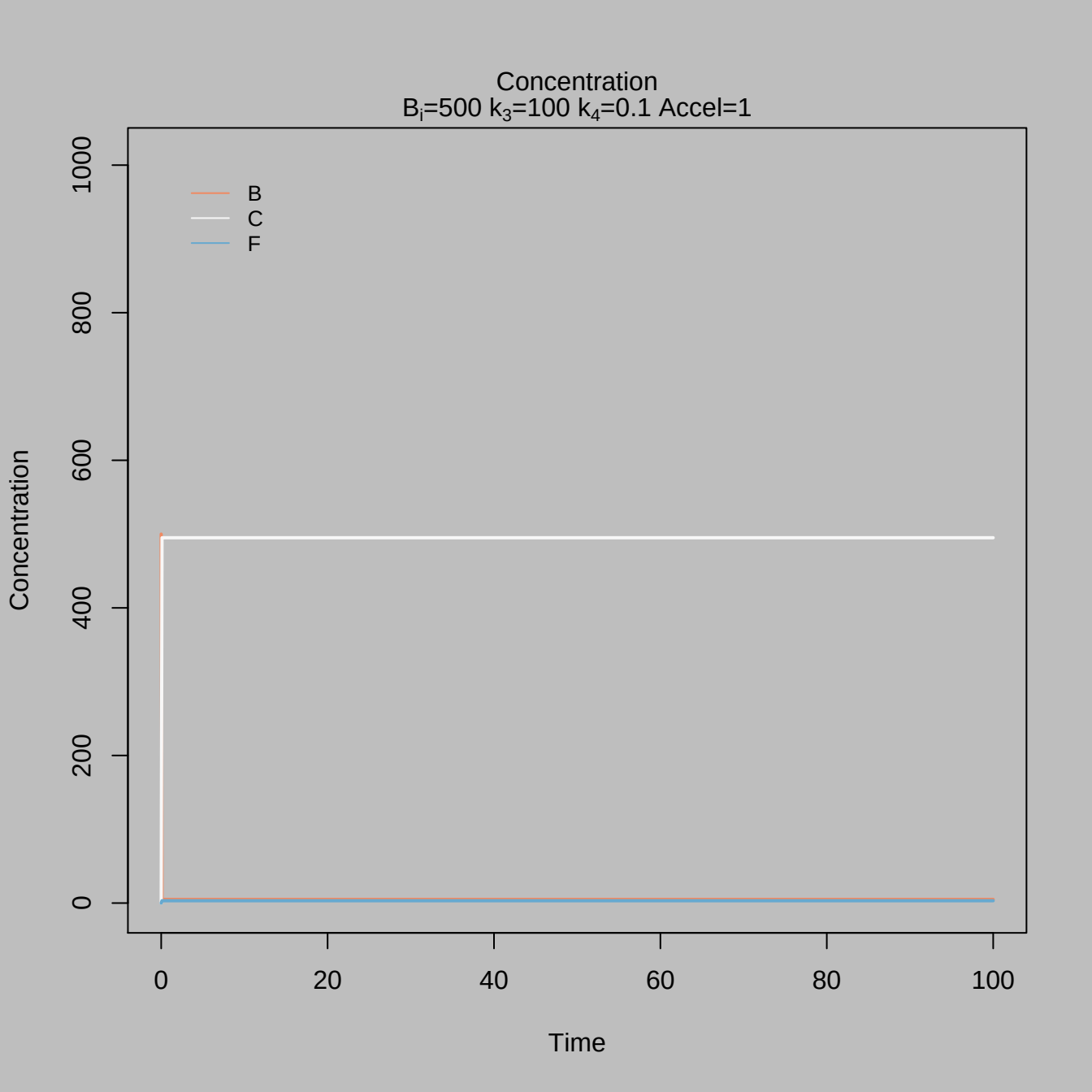
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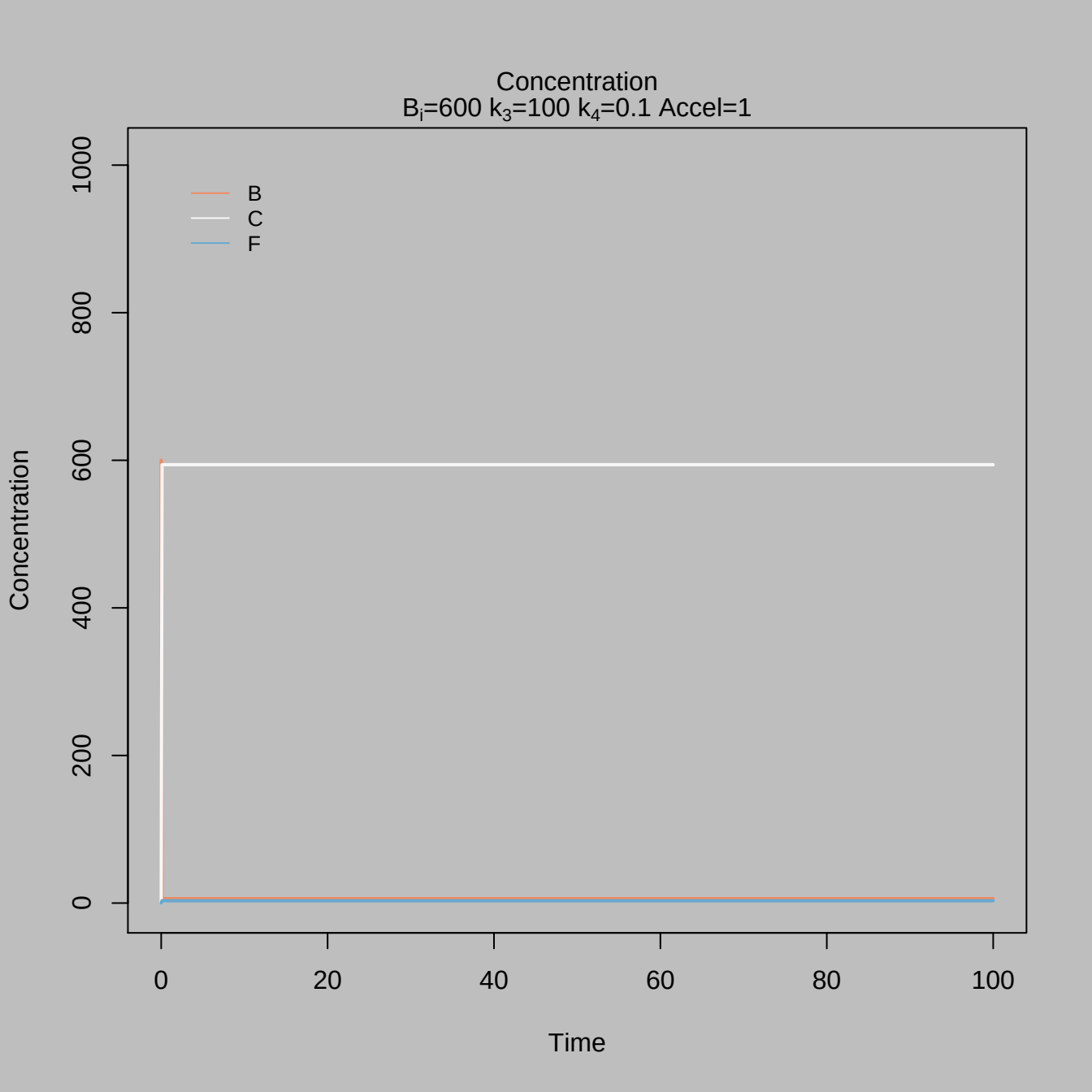
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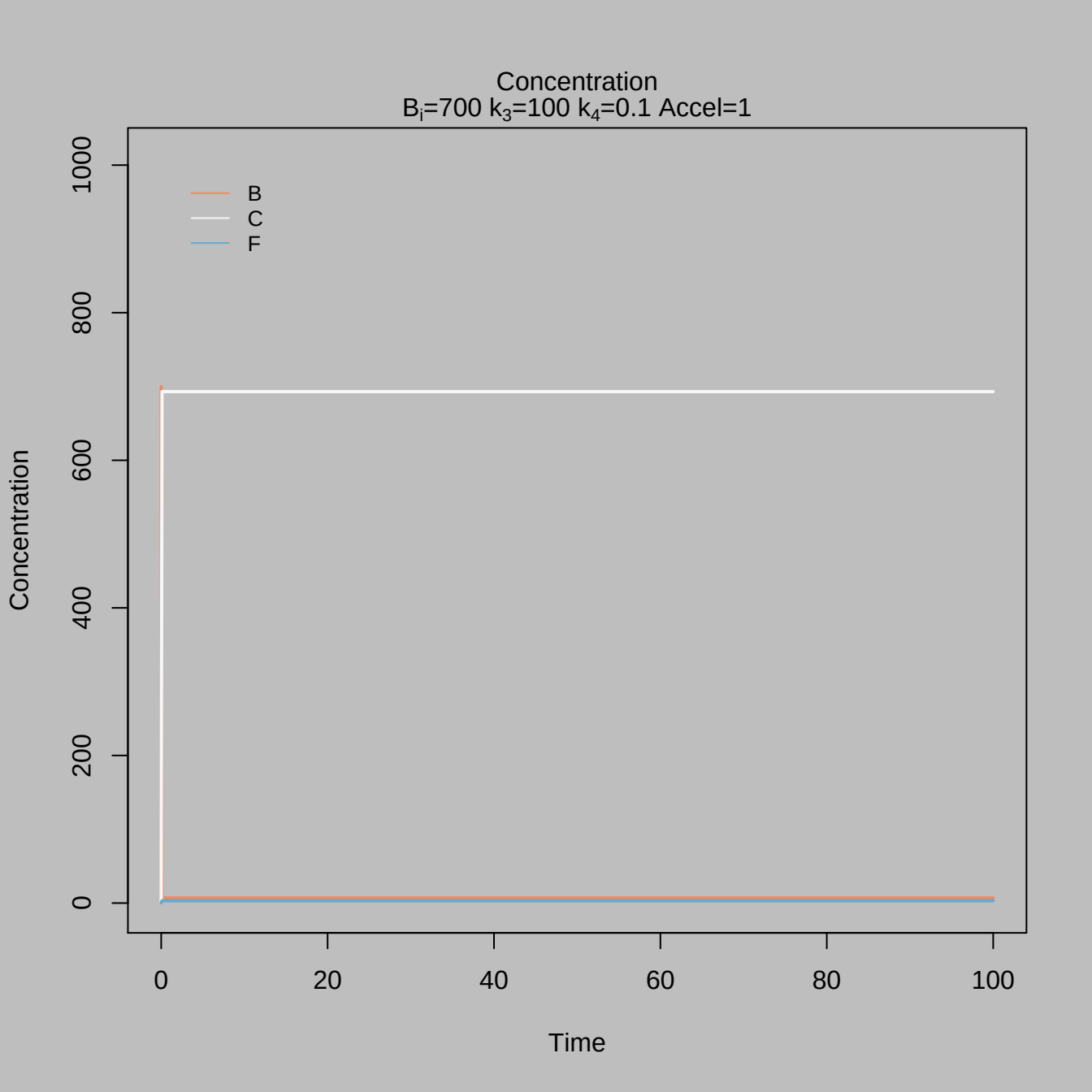
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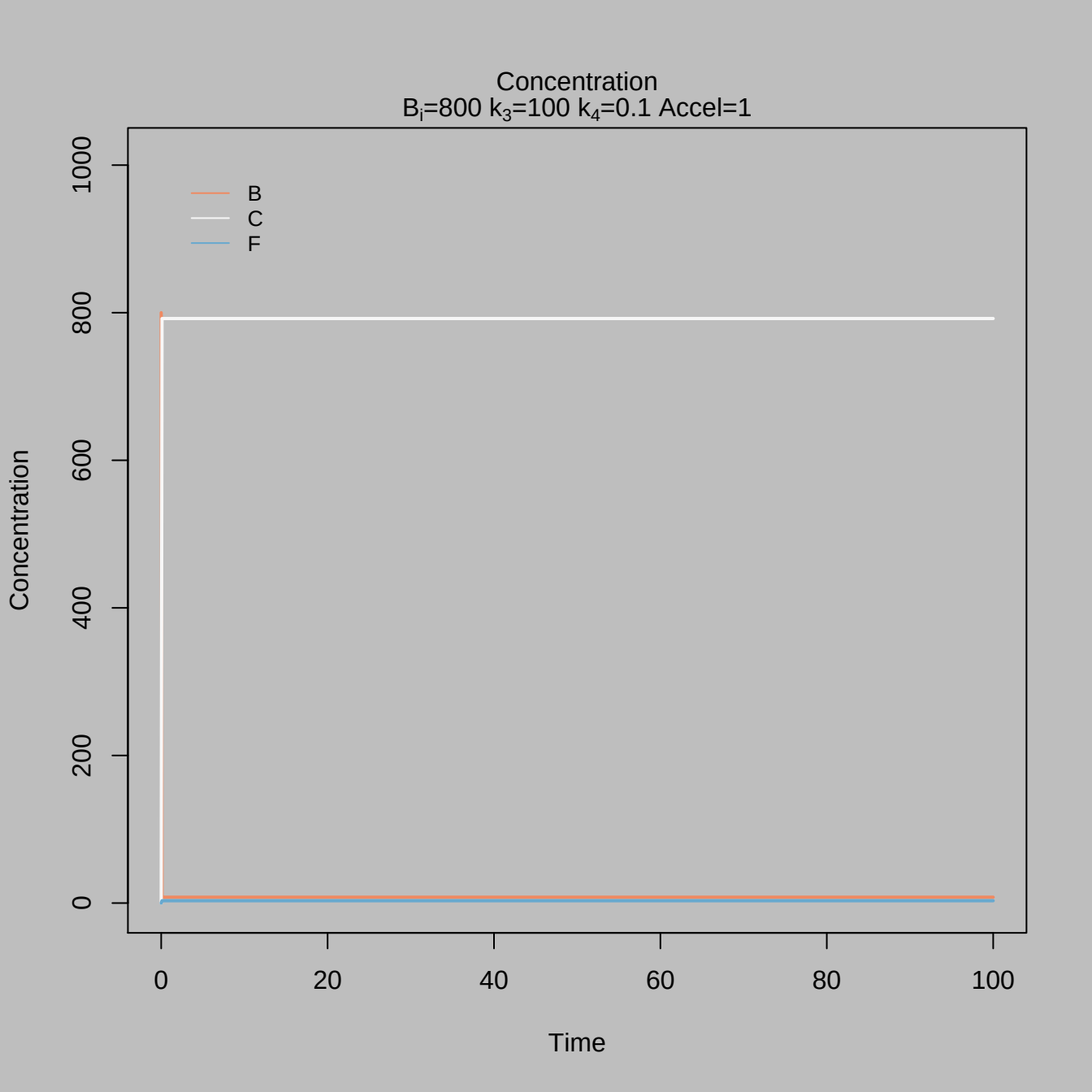
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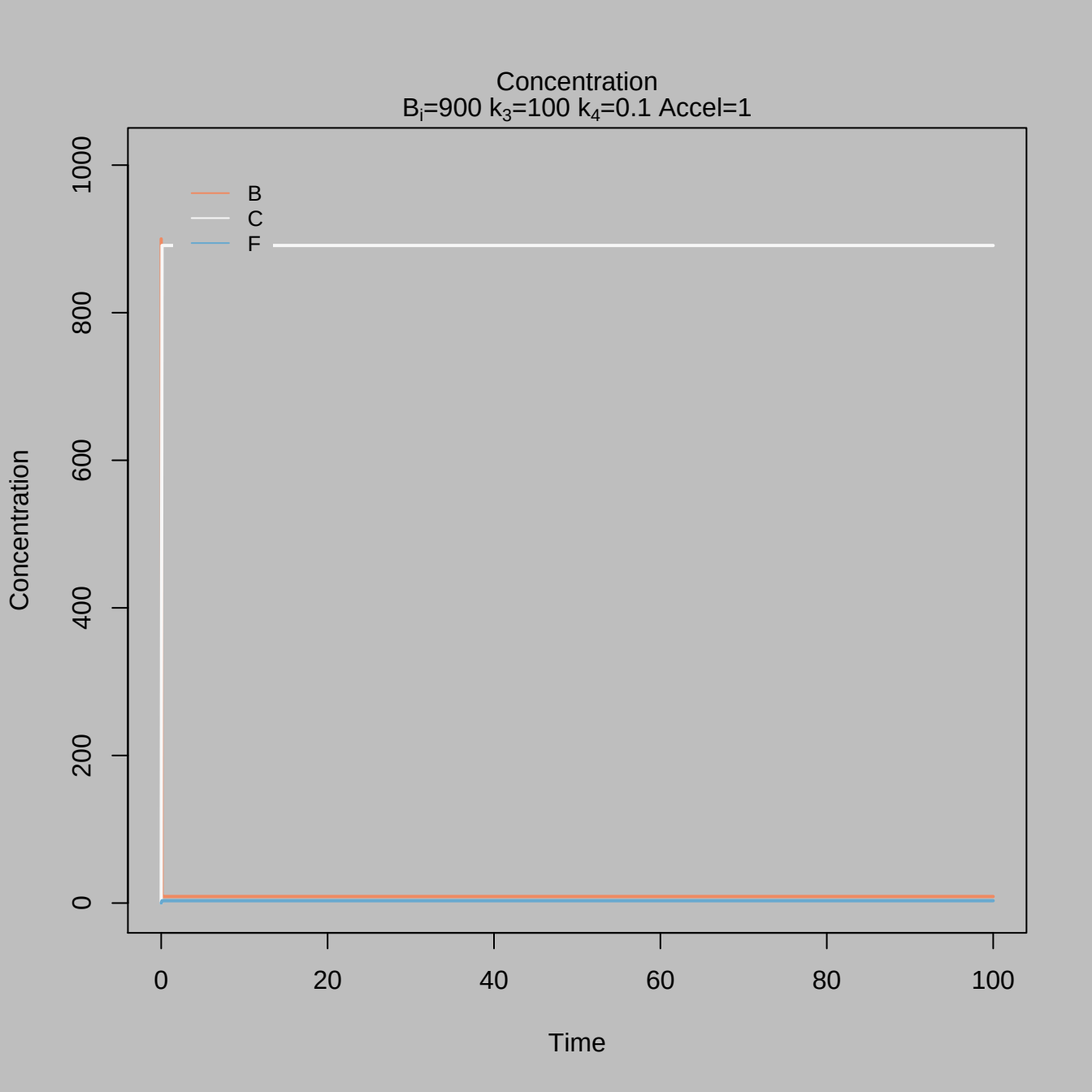
Time


Concentration
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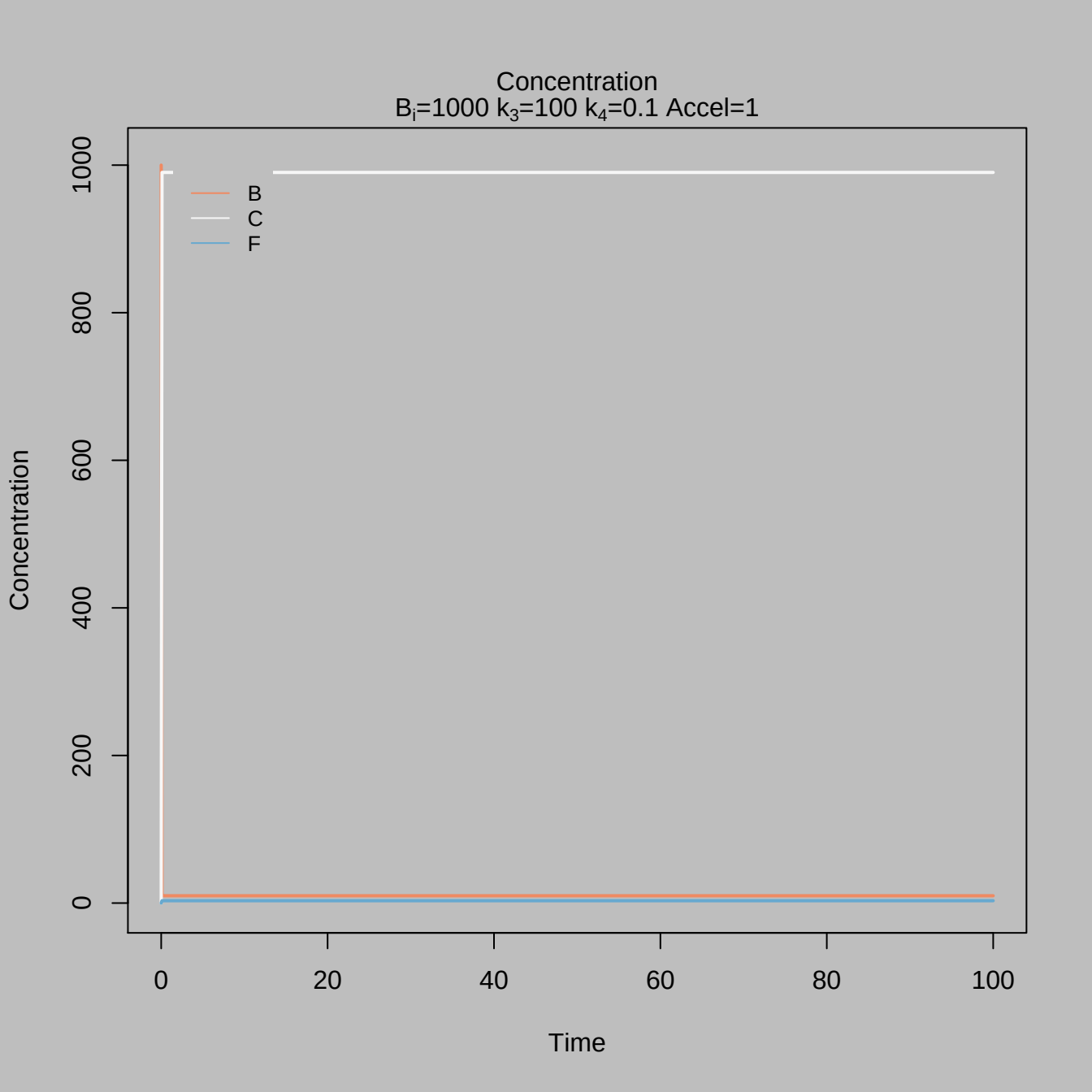
Time


Concentration
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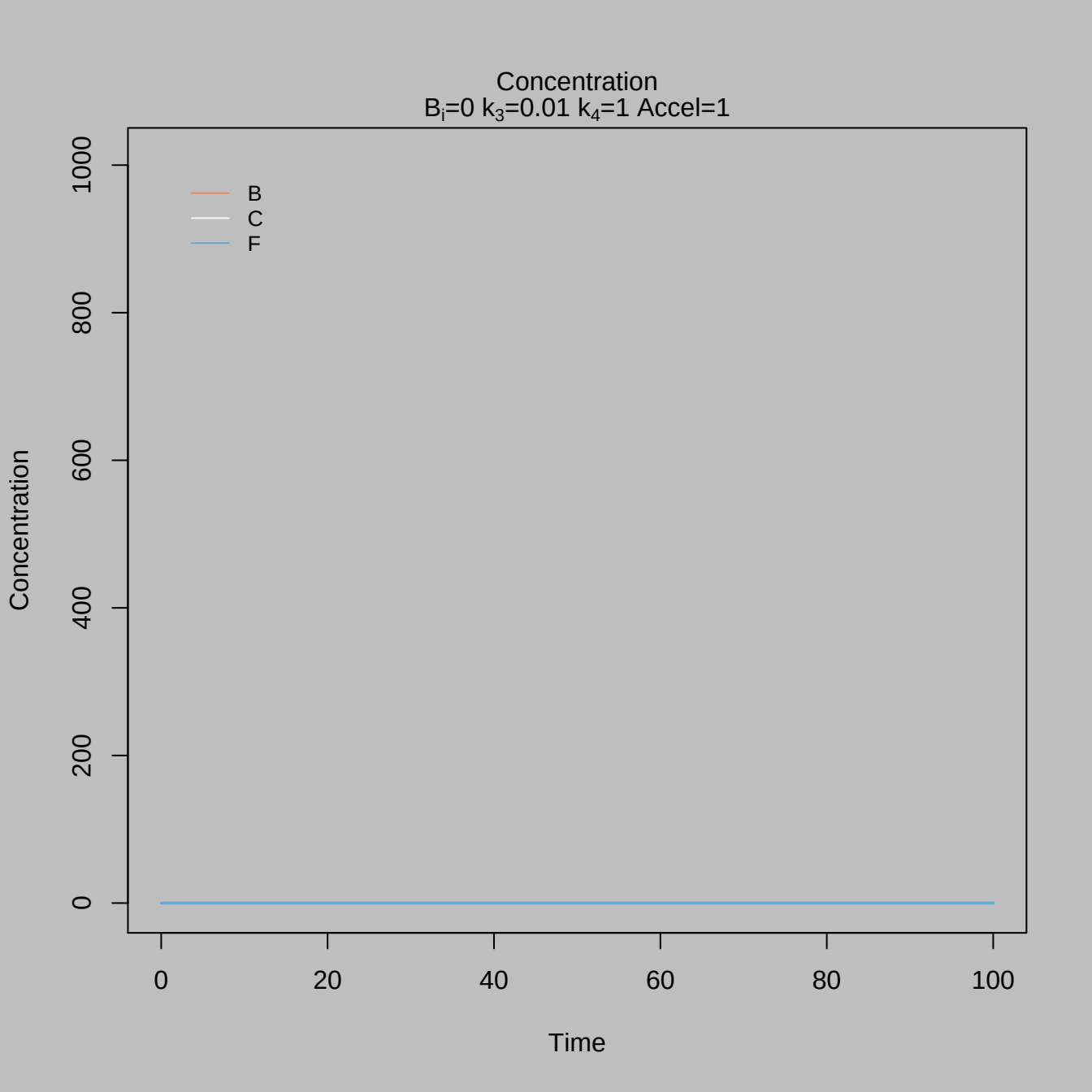
Concentration
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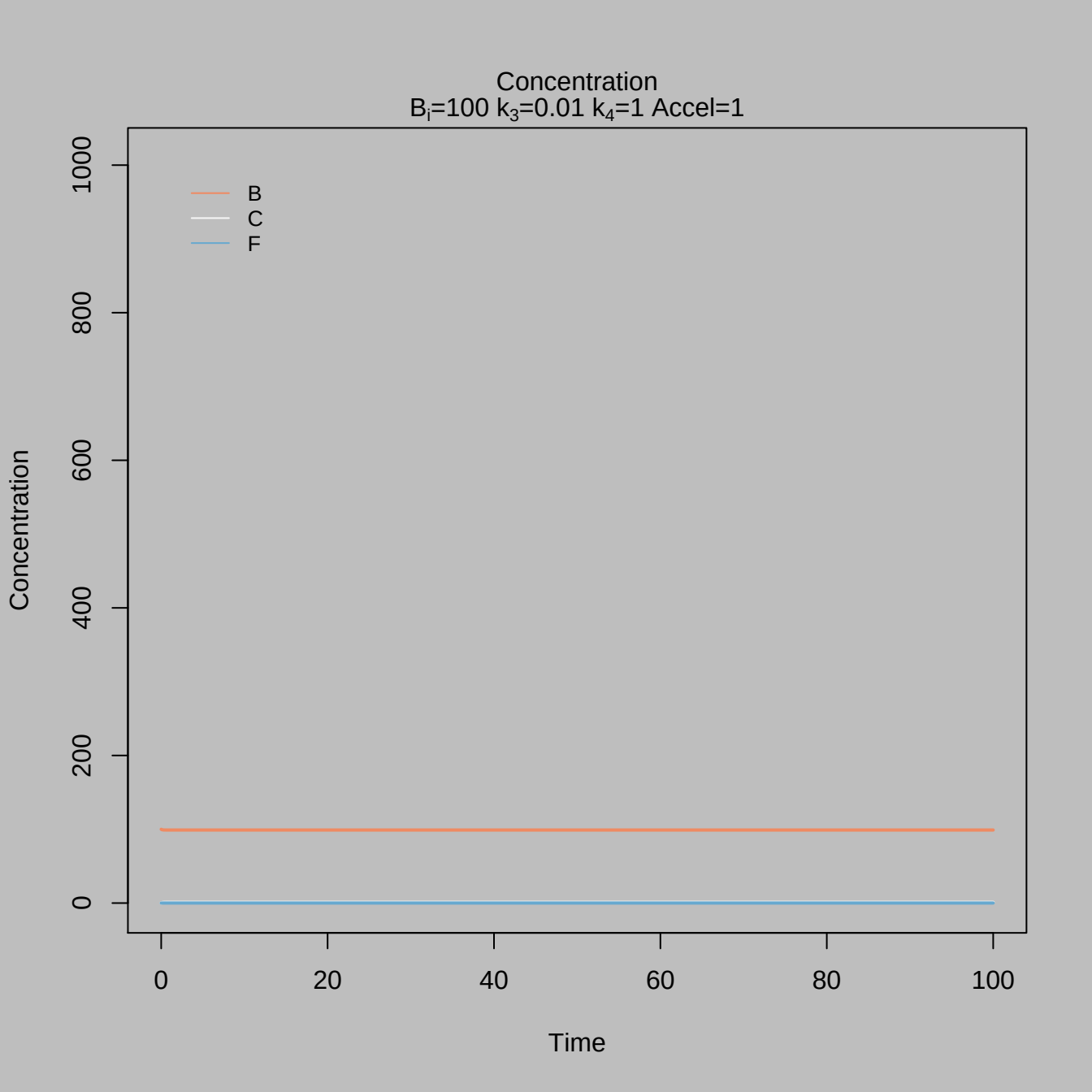
Concentration
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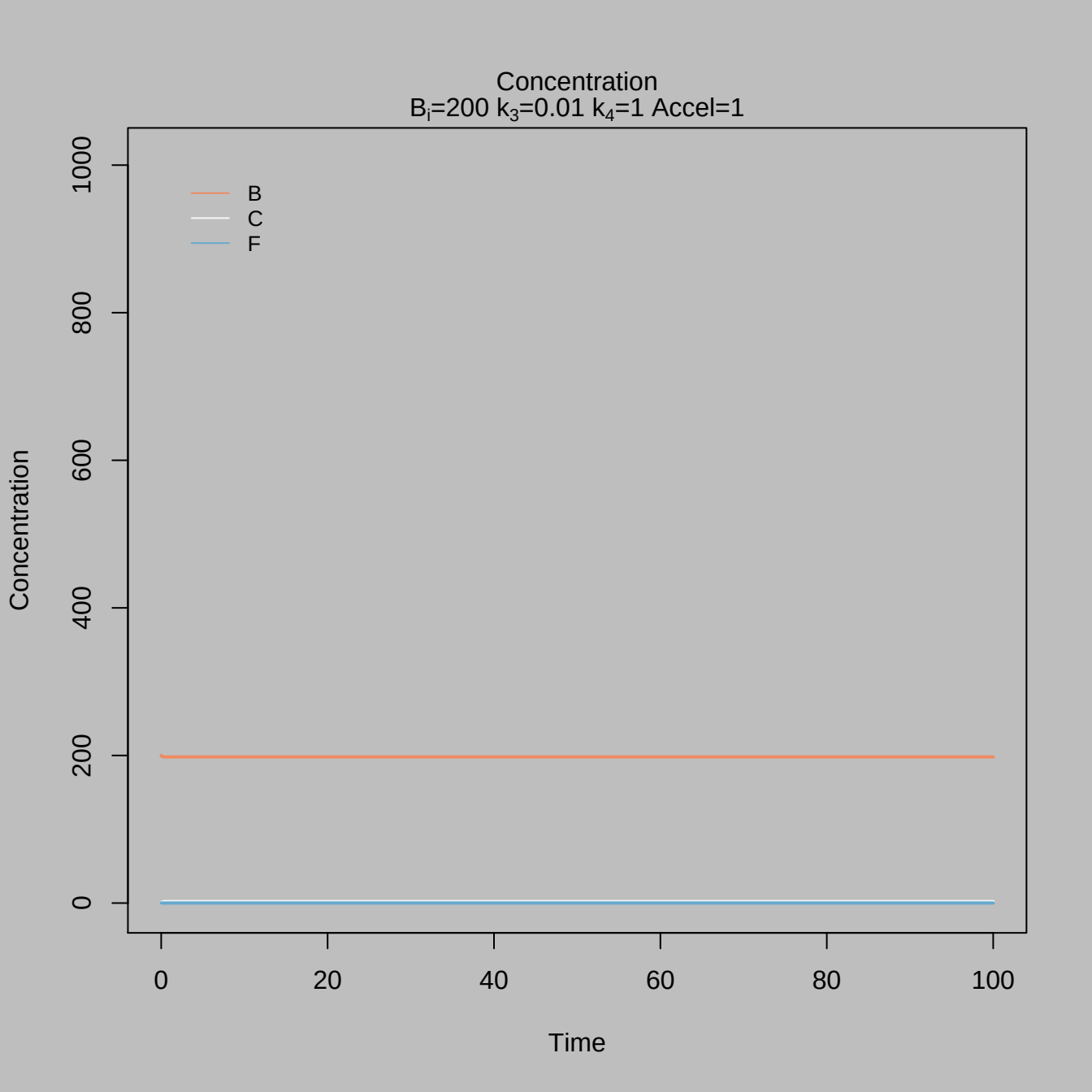
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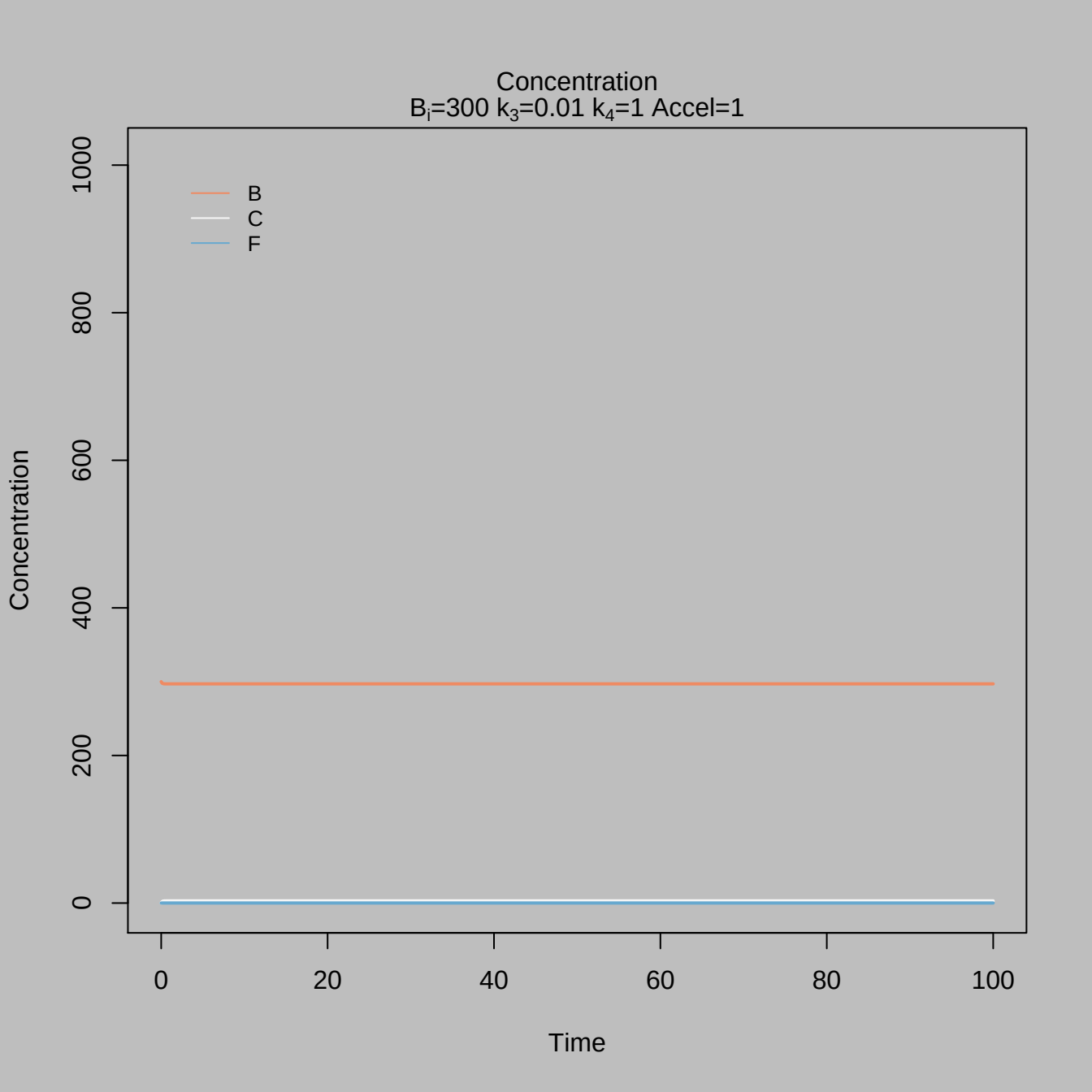
Concentration
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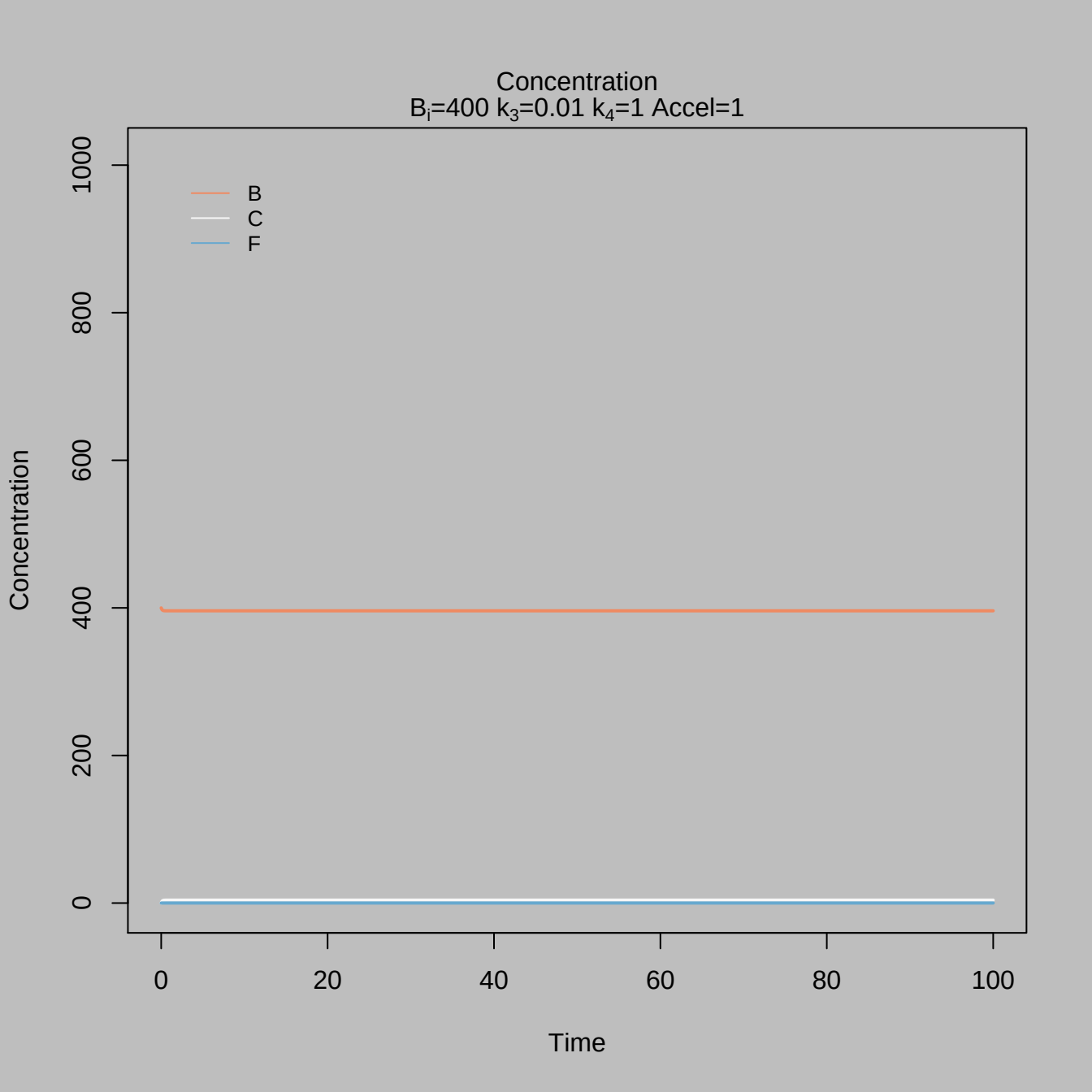
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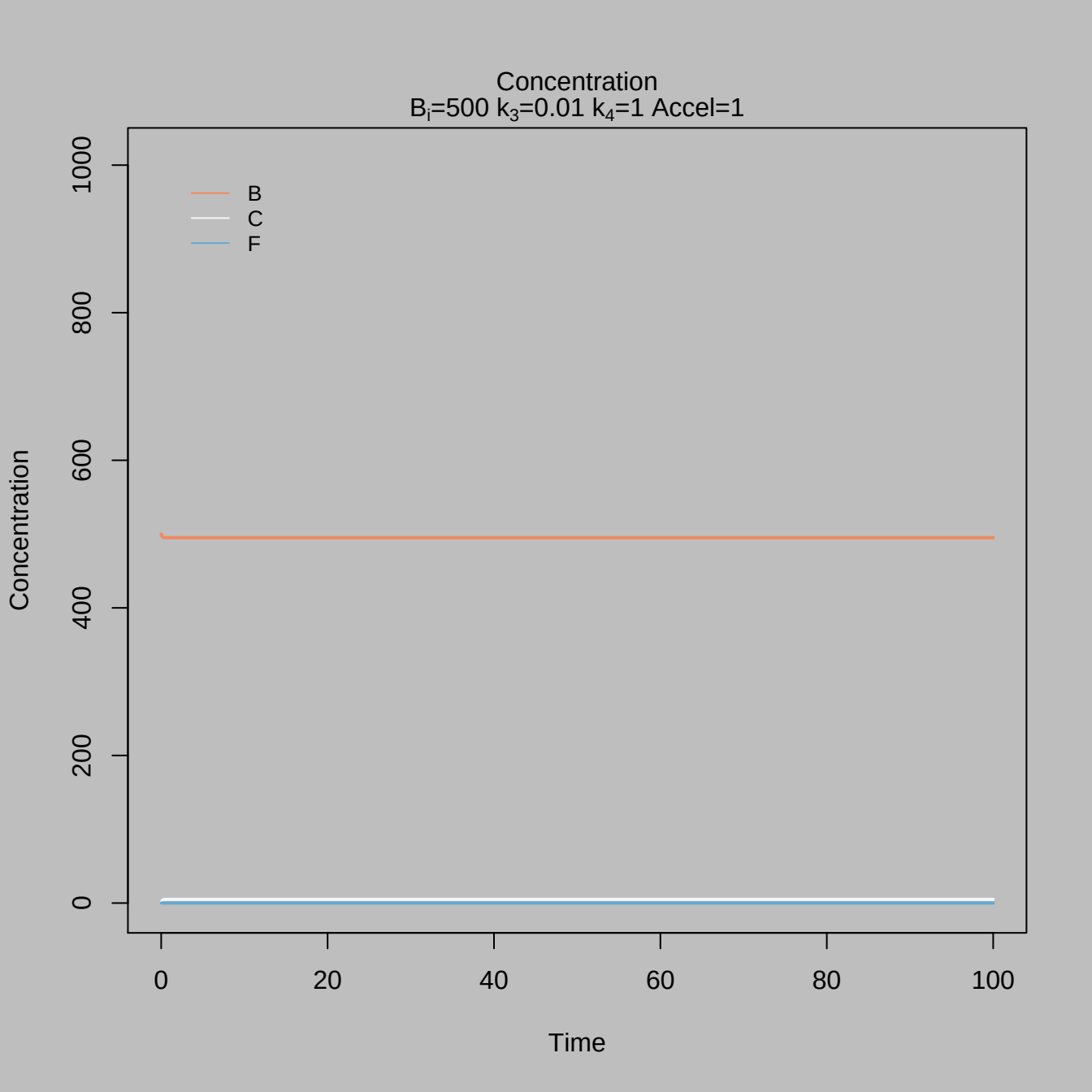
Time


Concentration
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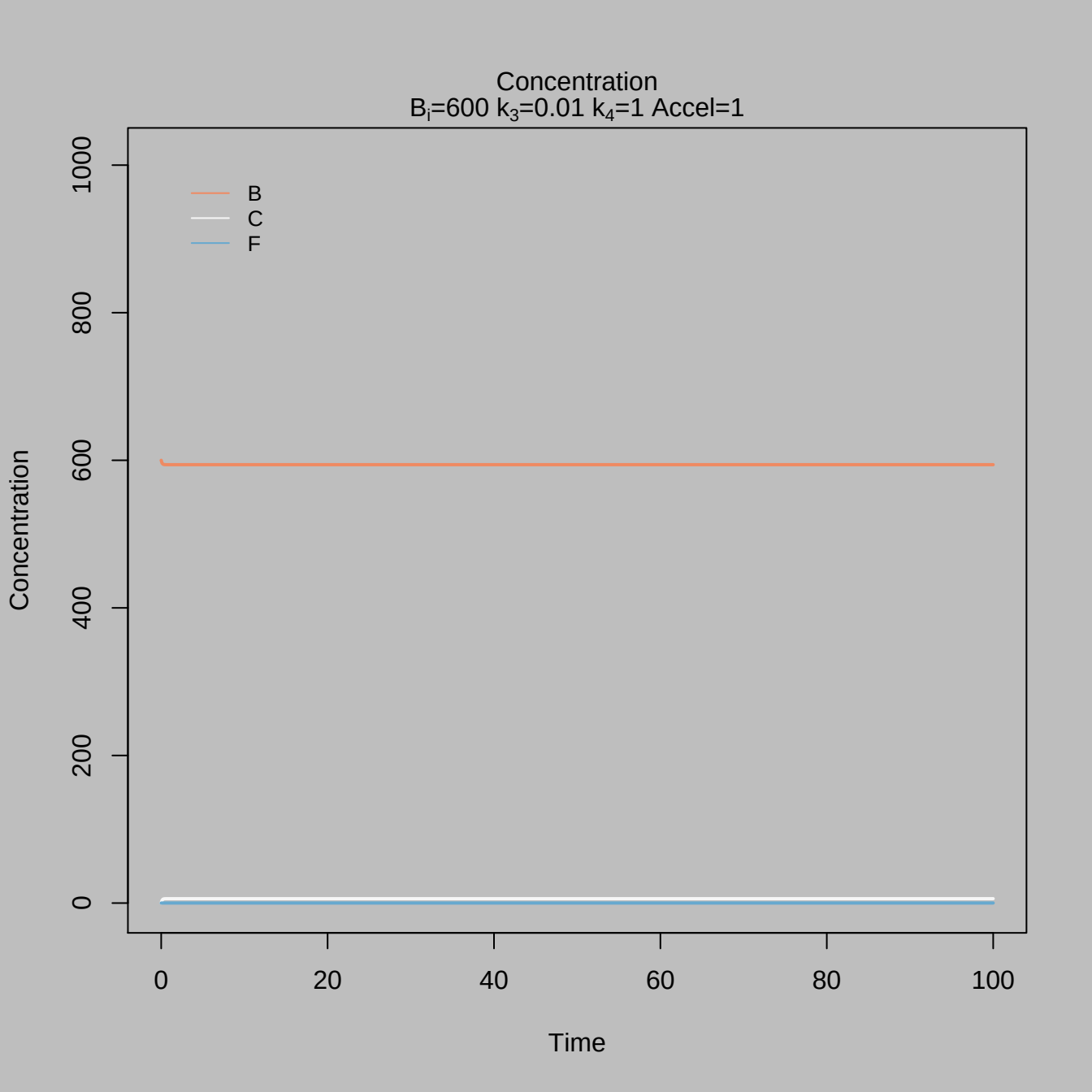
Time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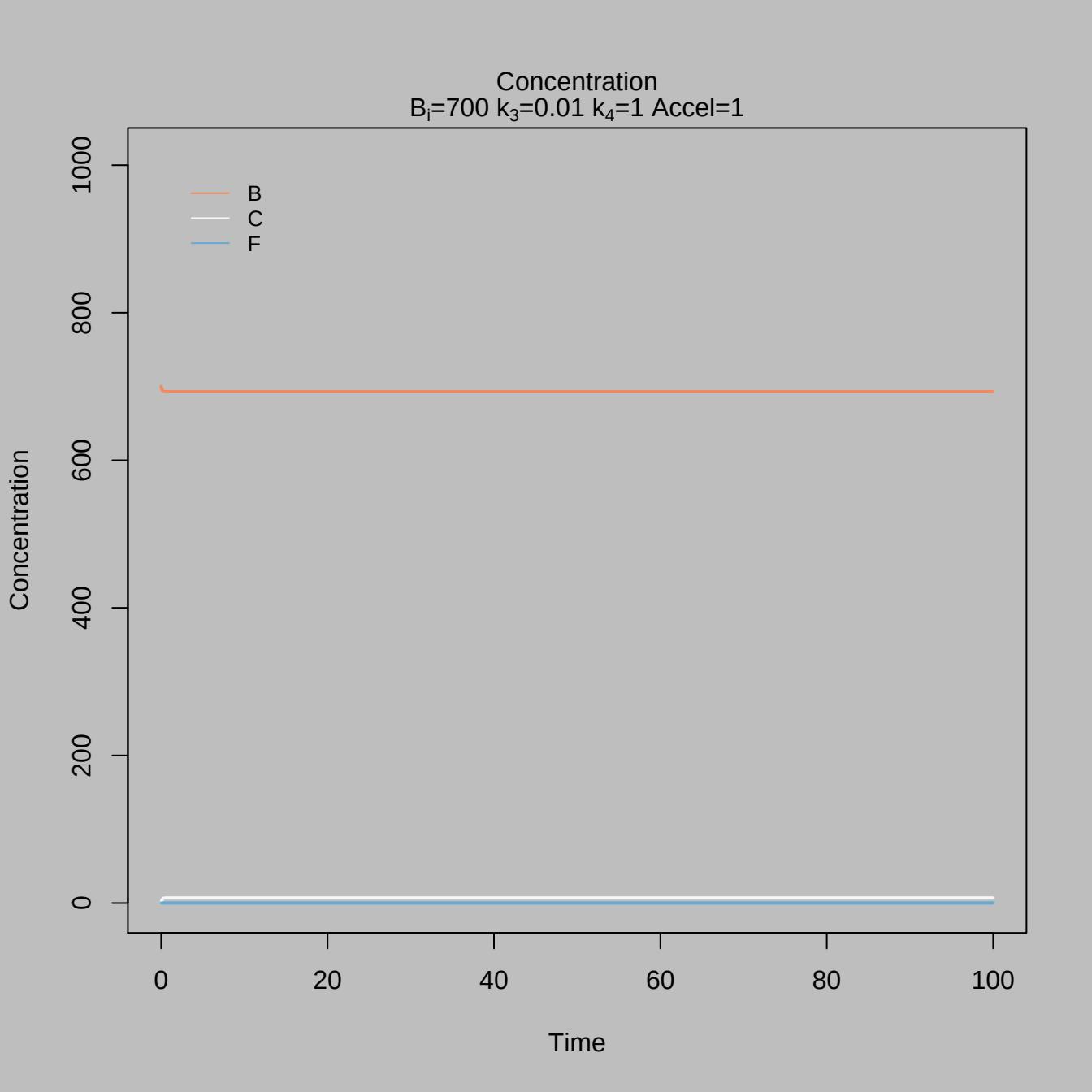
Time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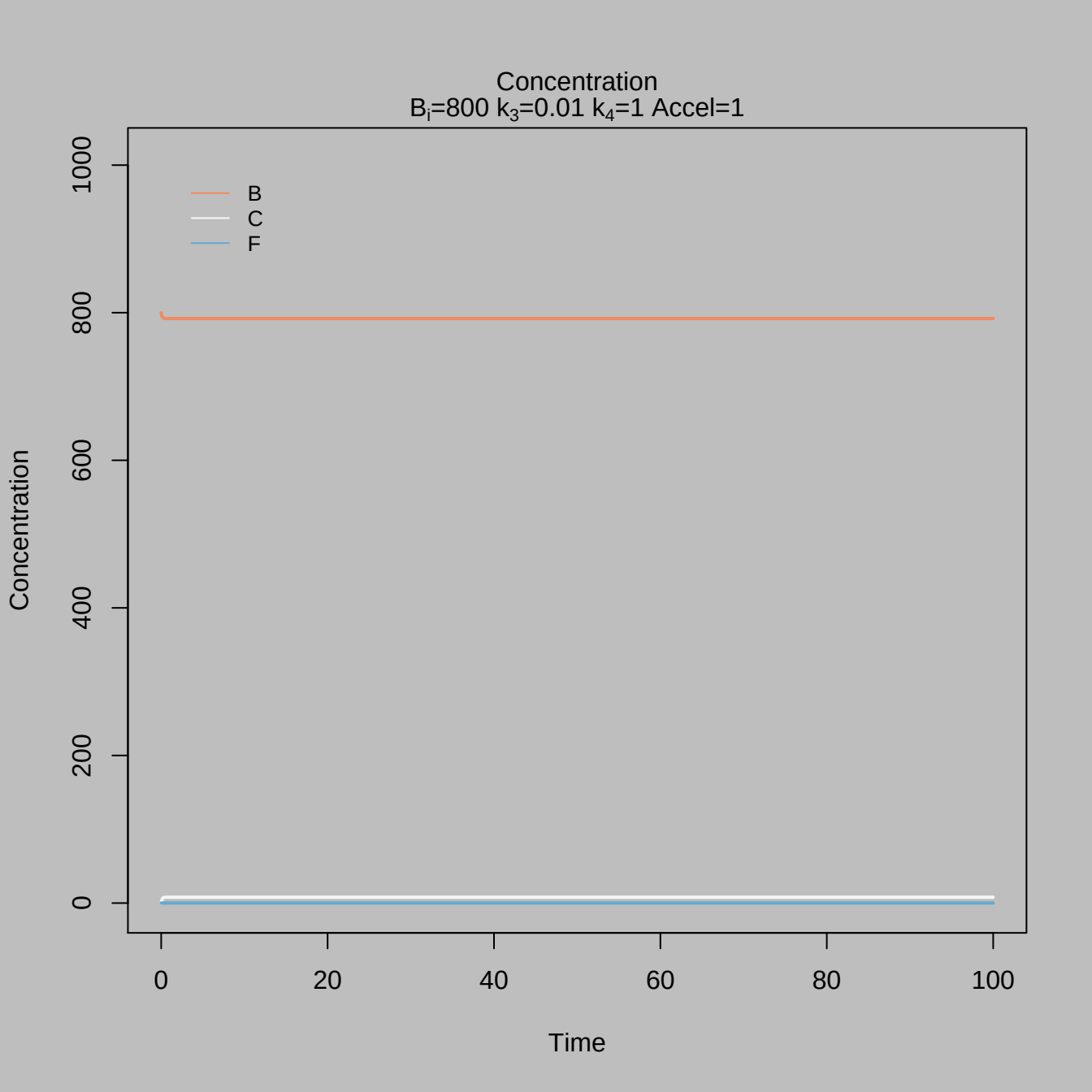
Time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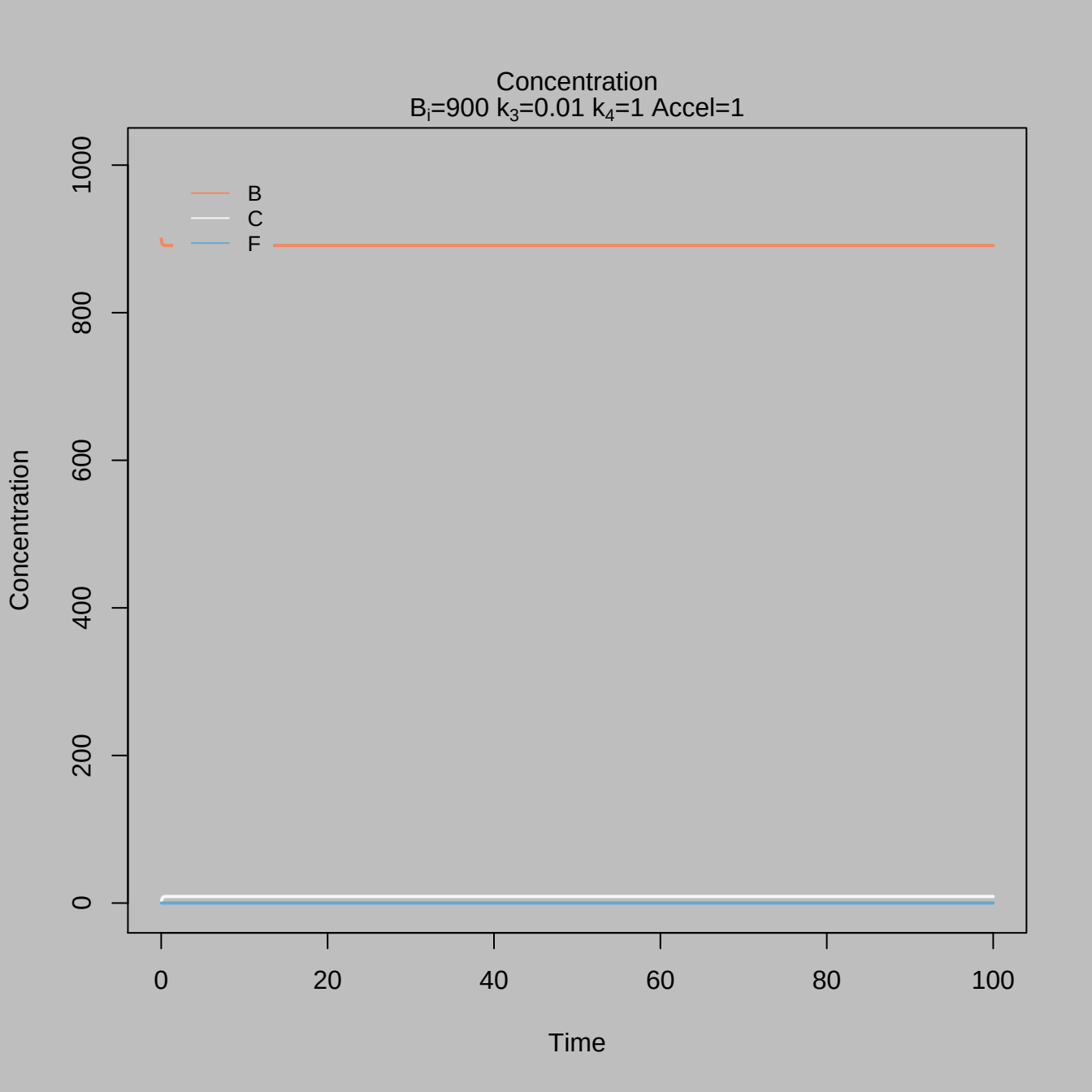
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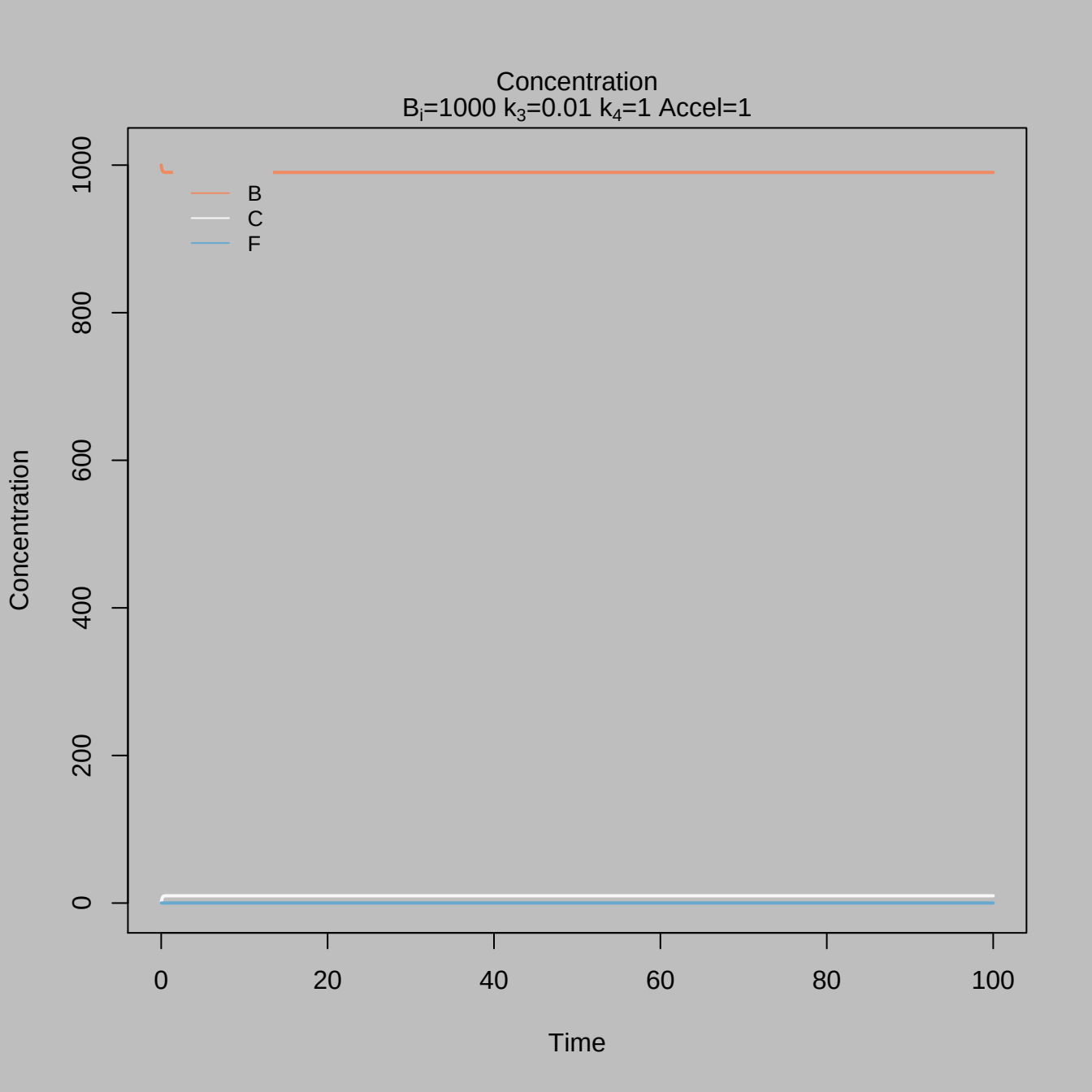
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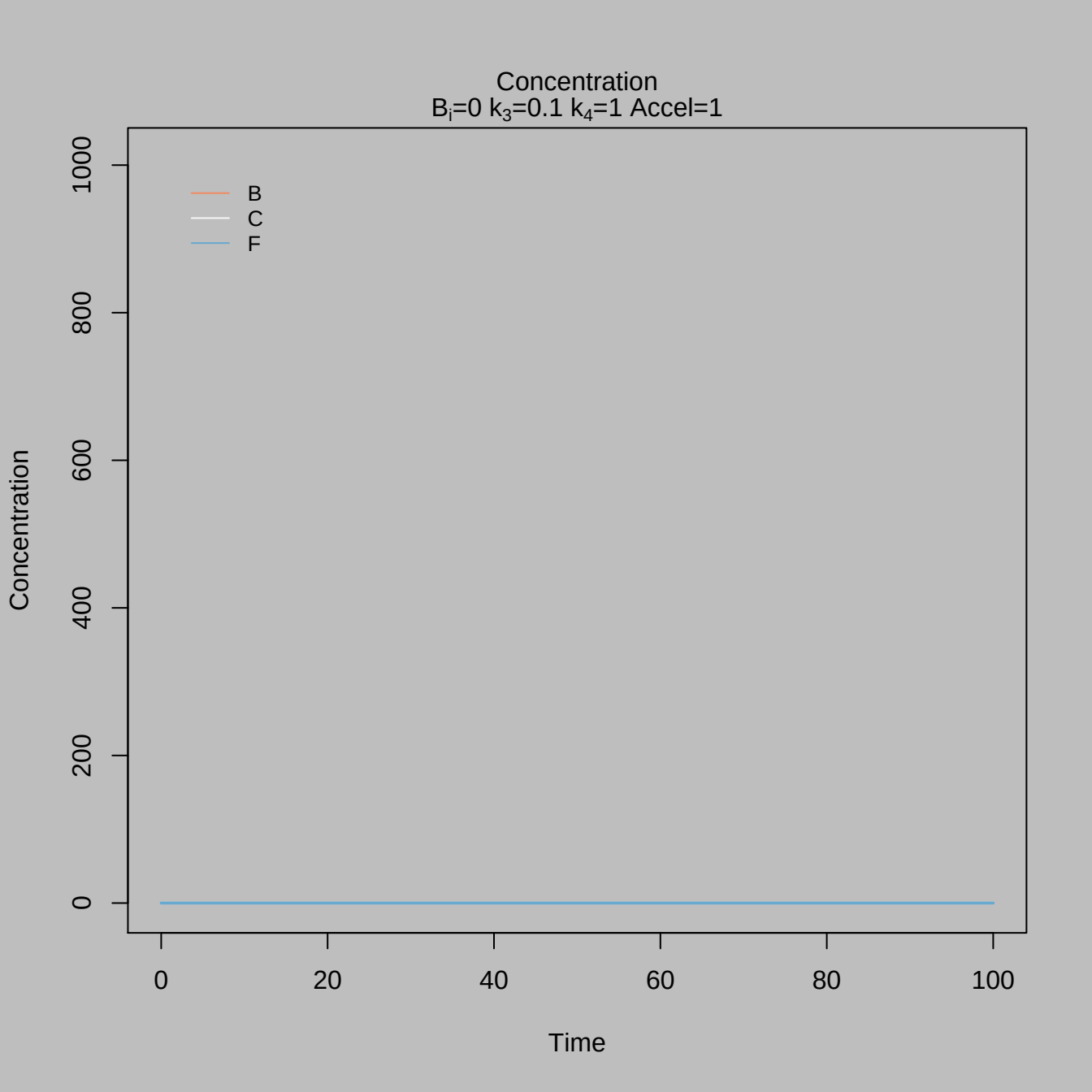
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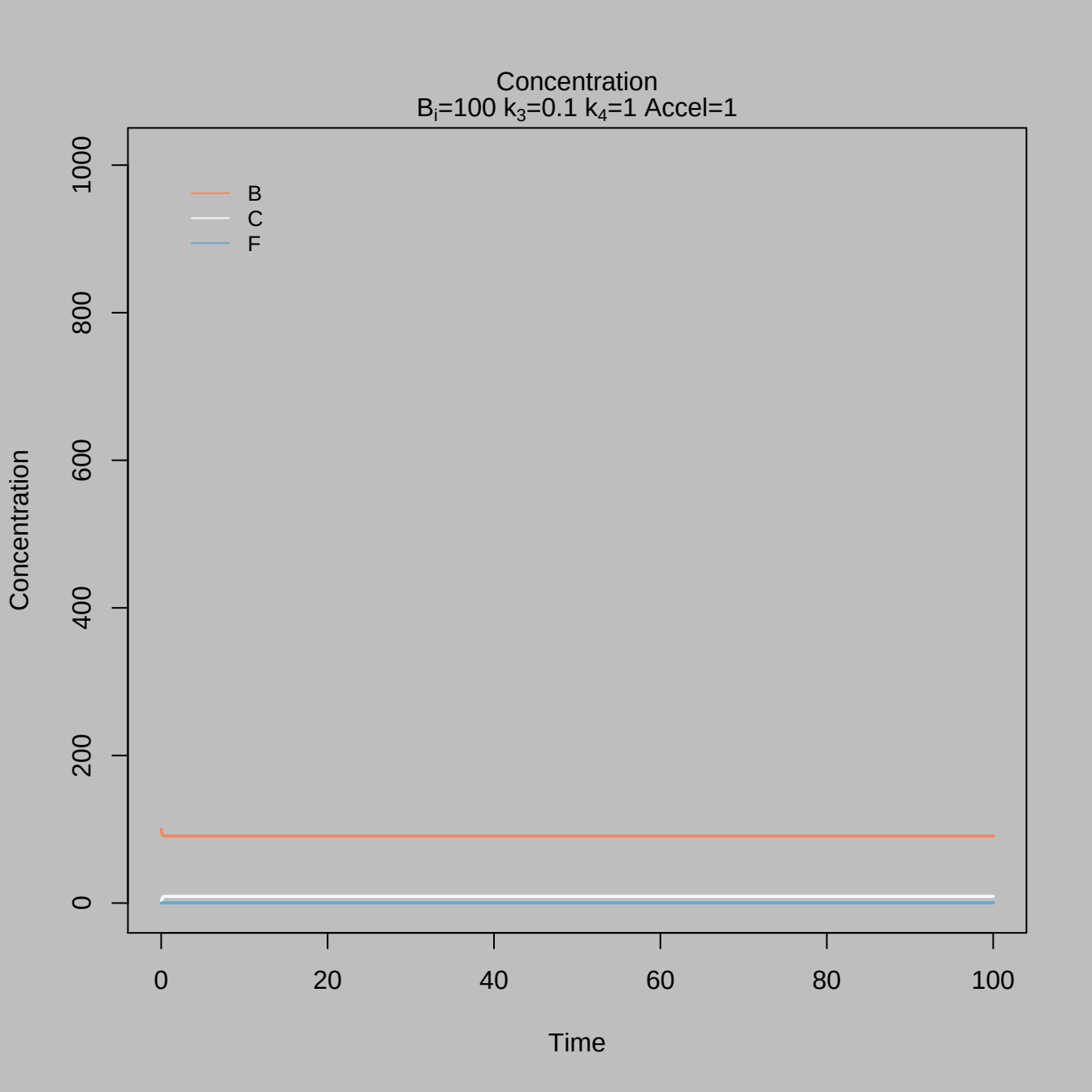
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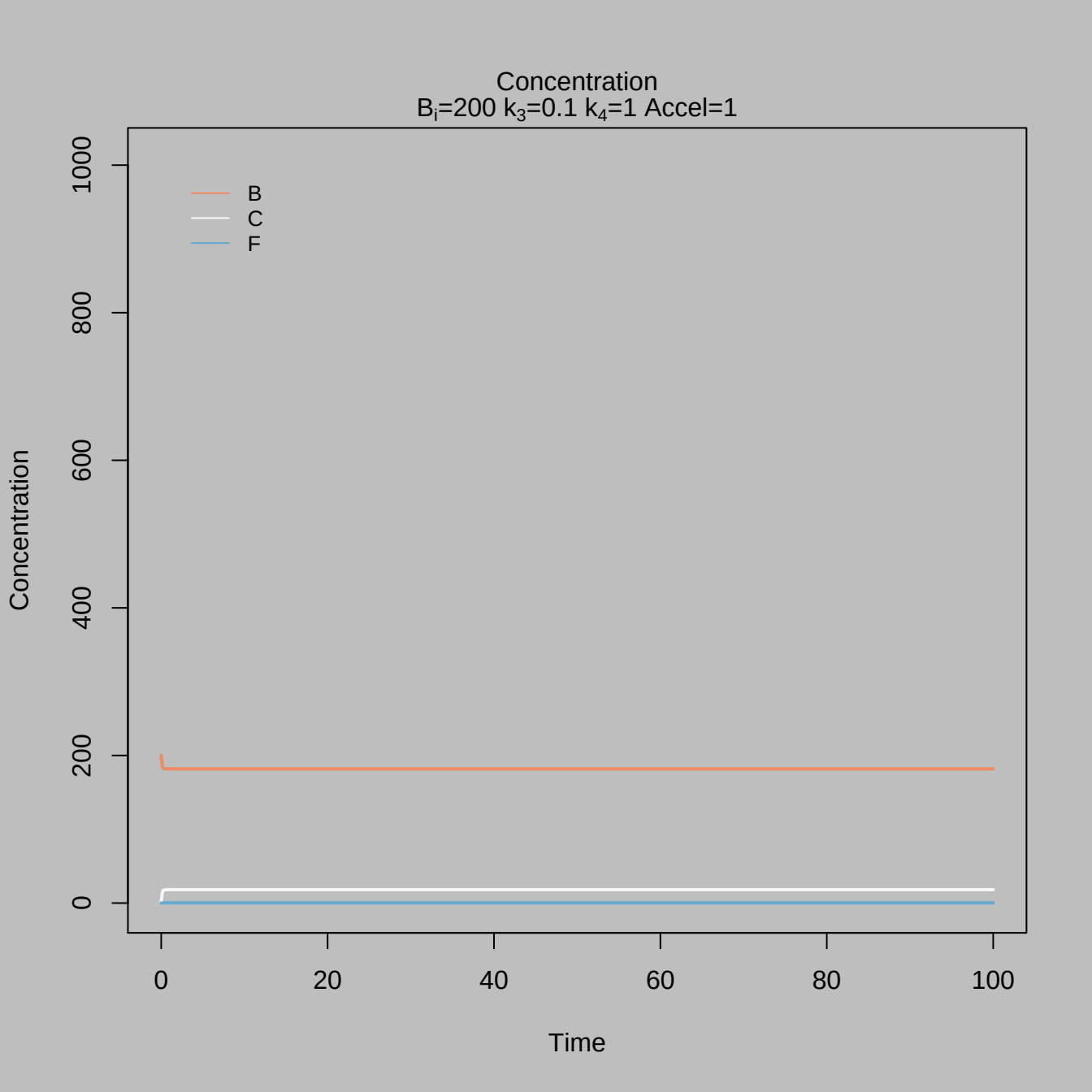
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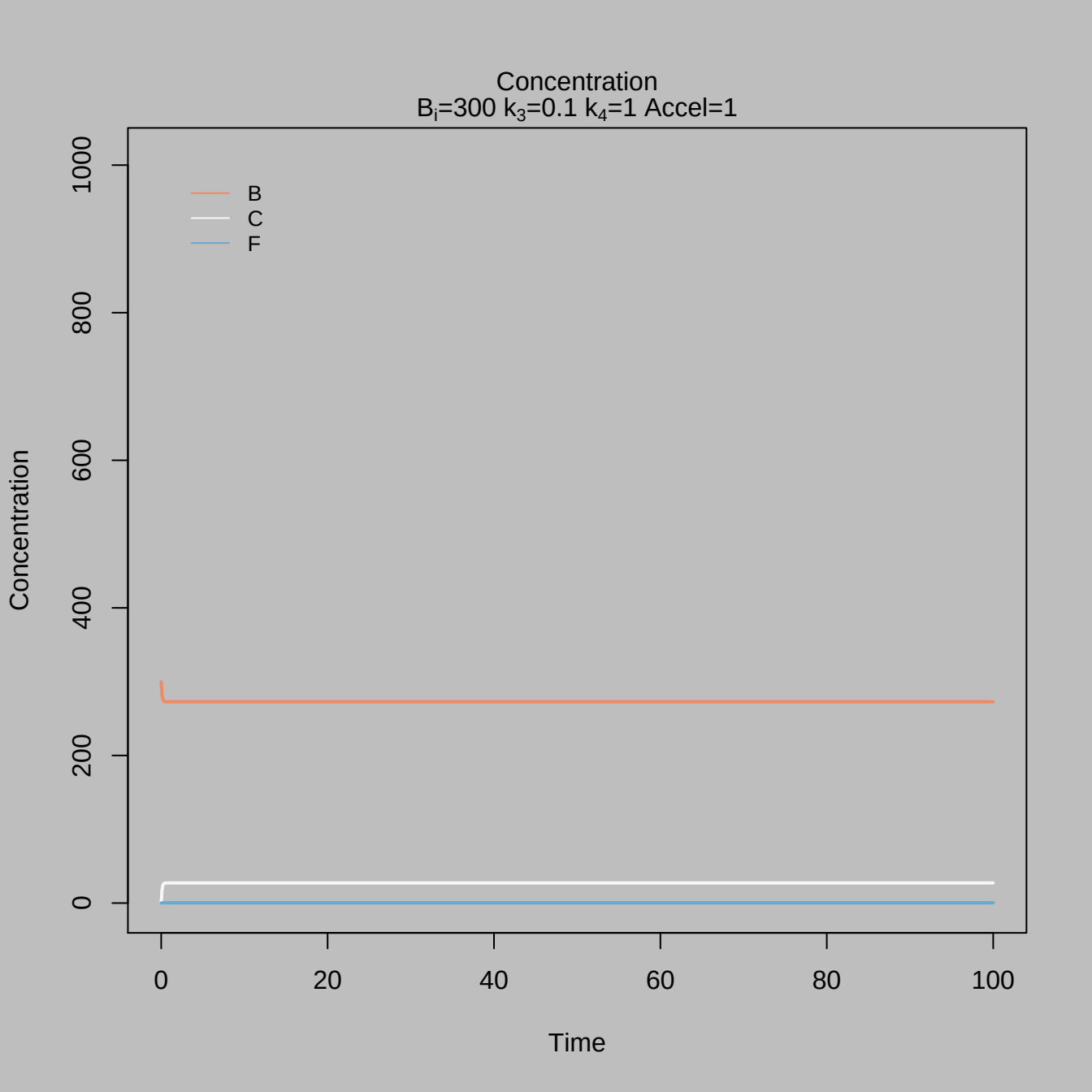
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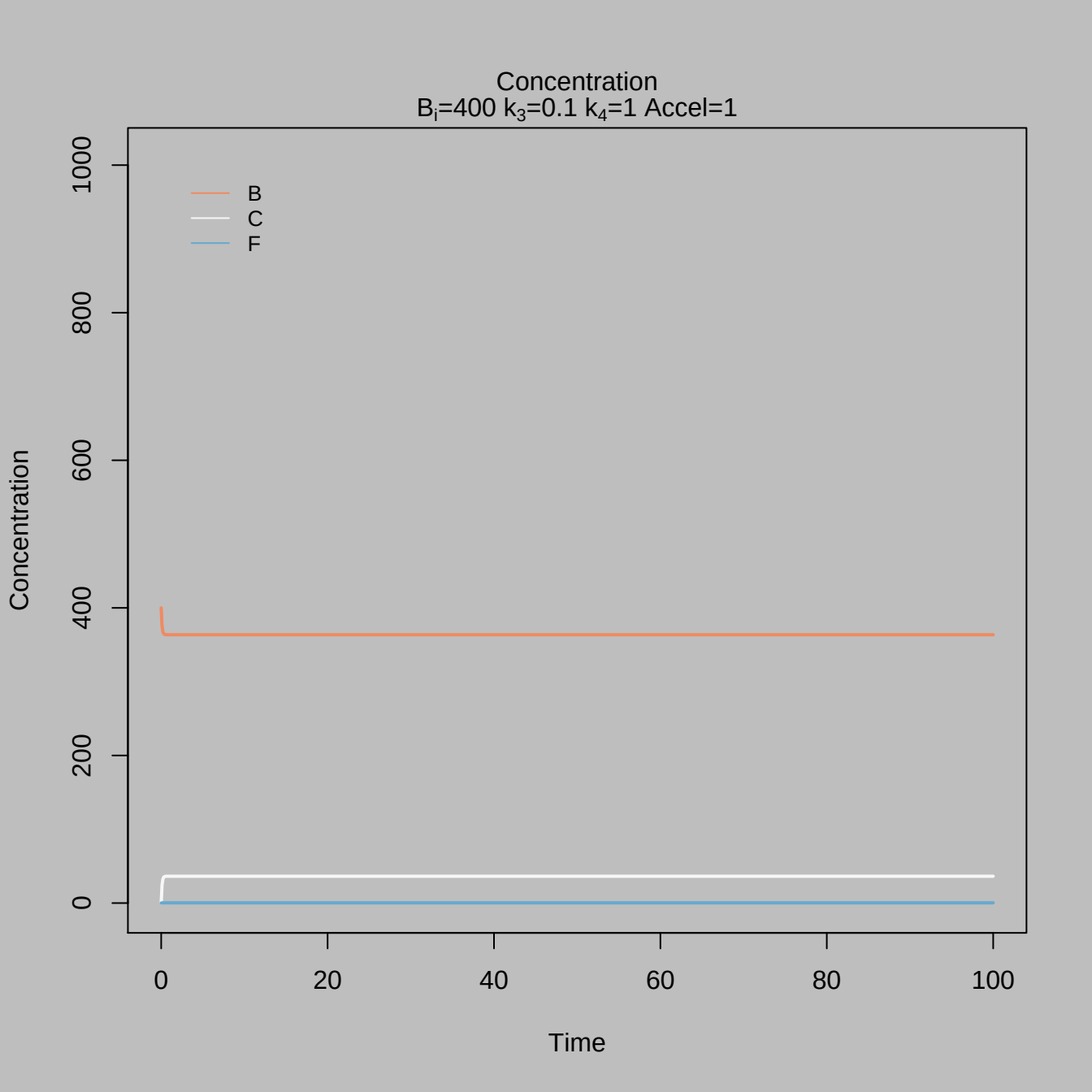
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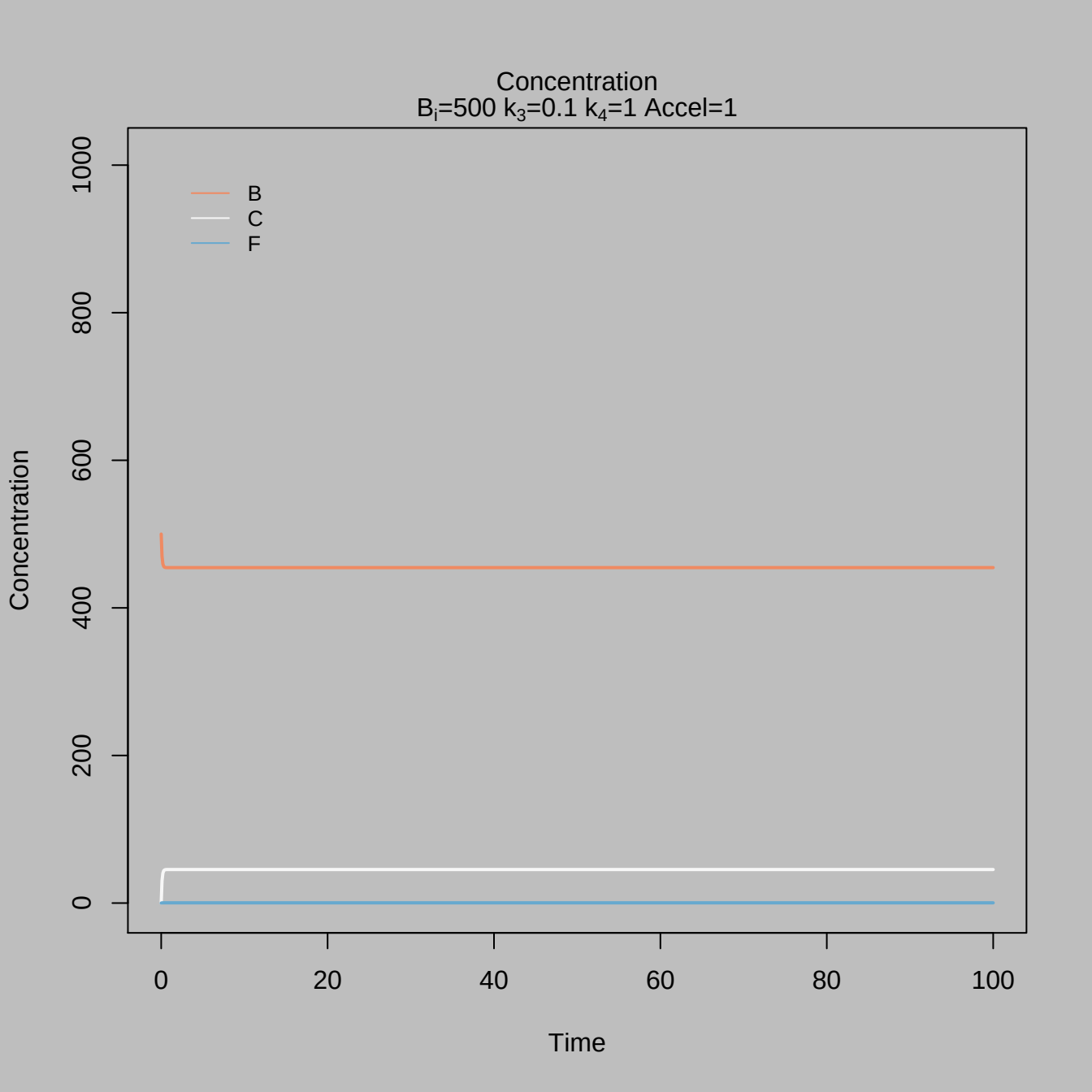
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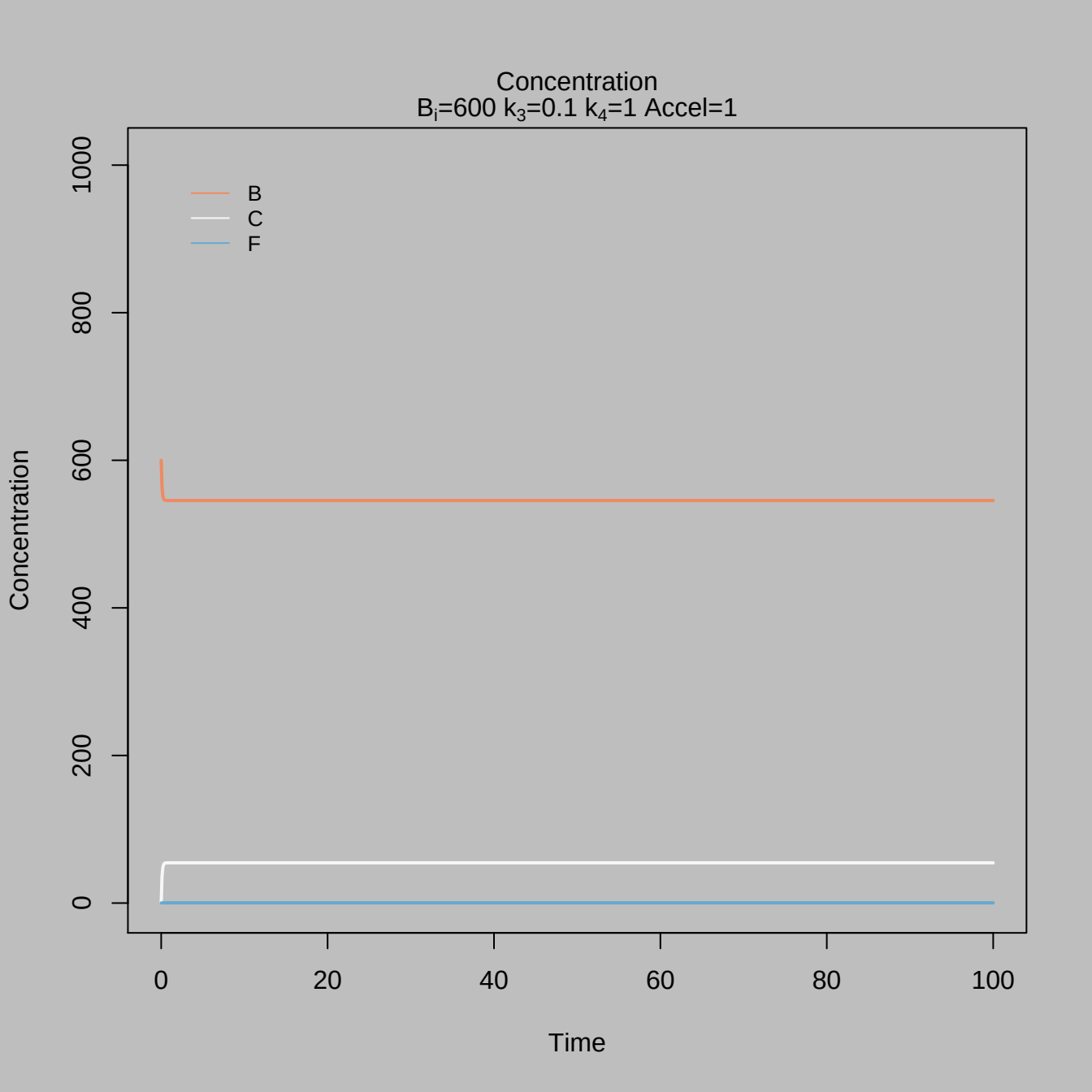
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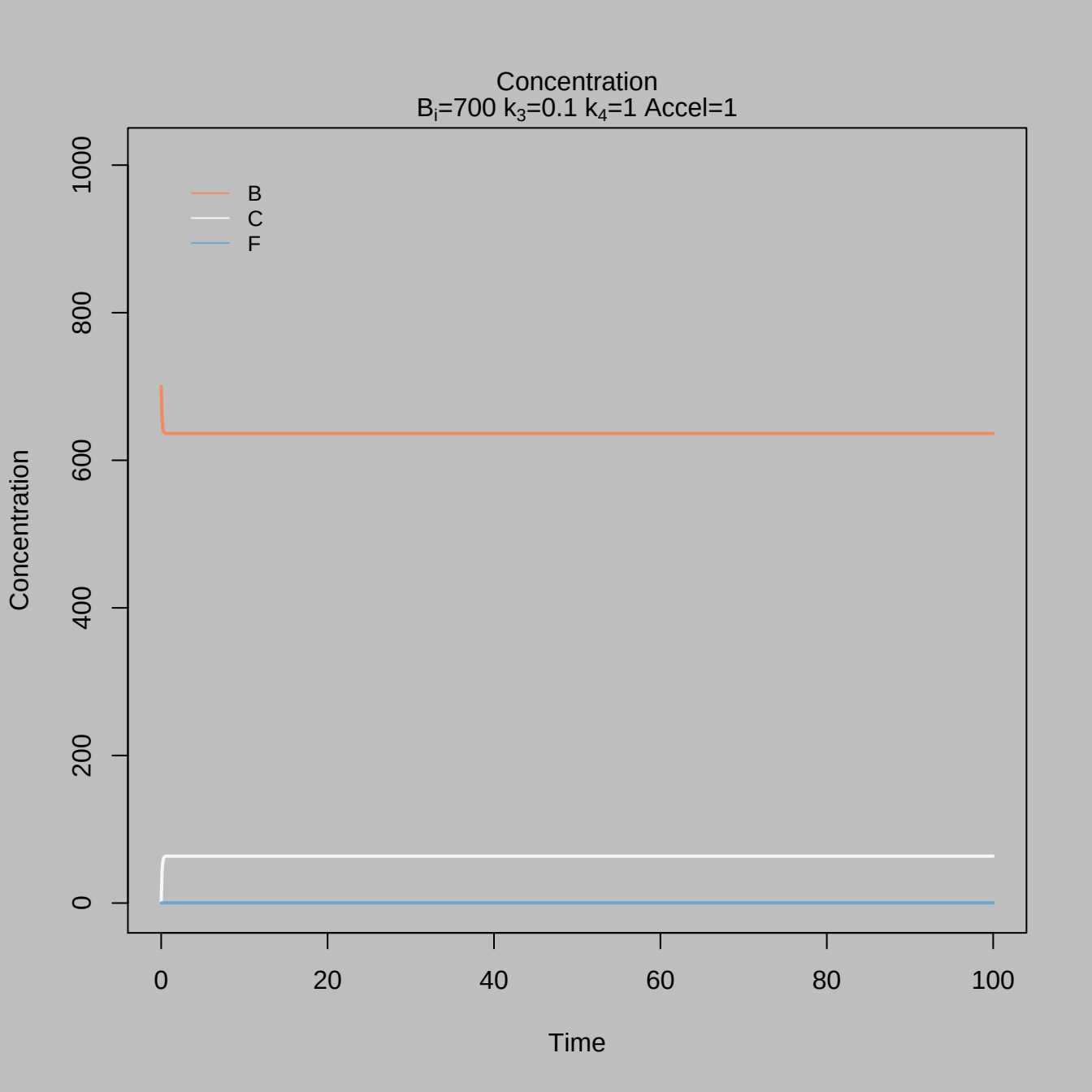
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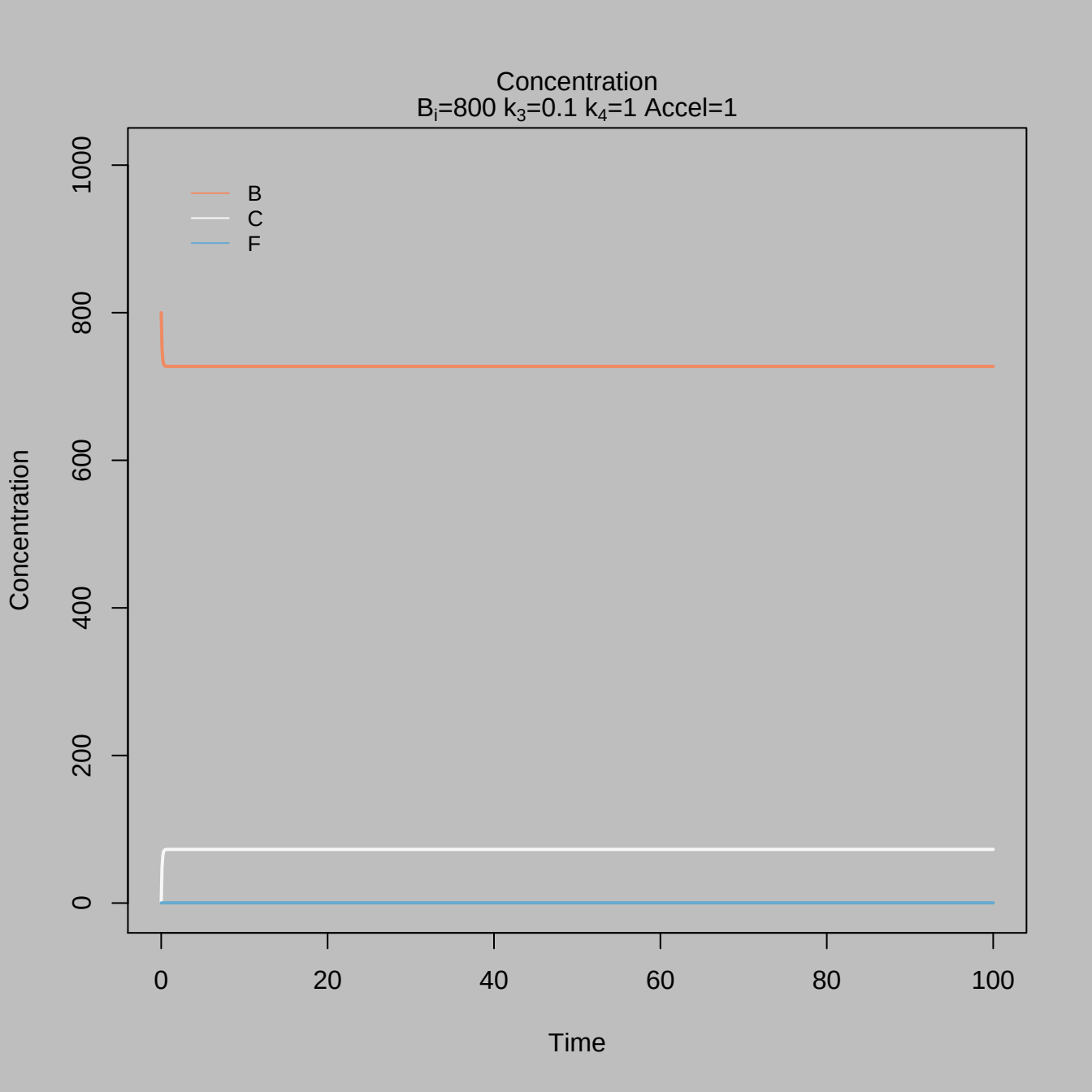
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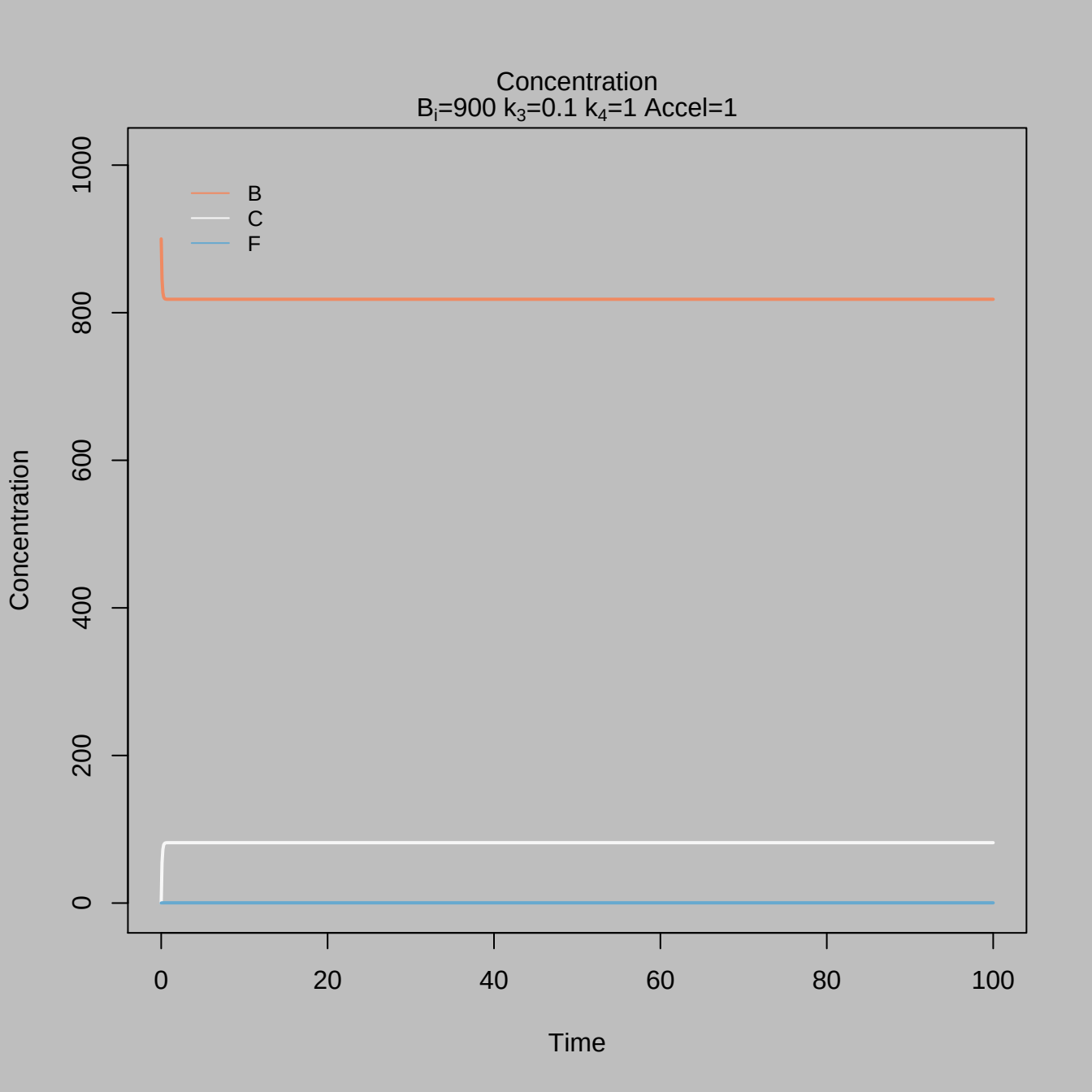
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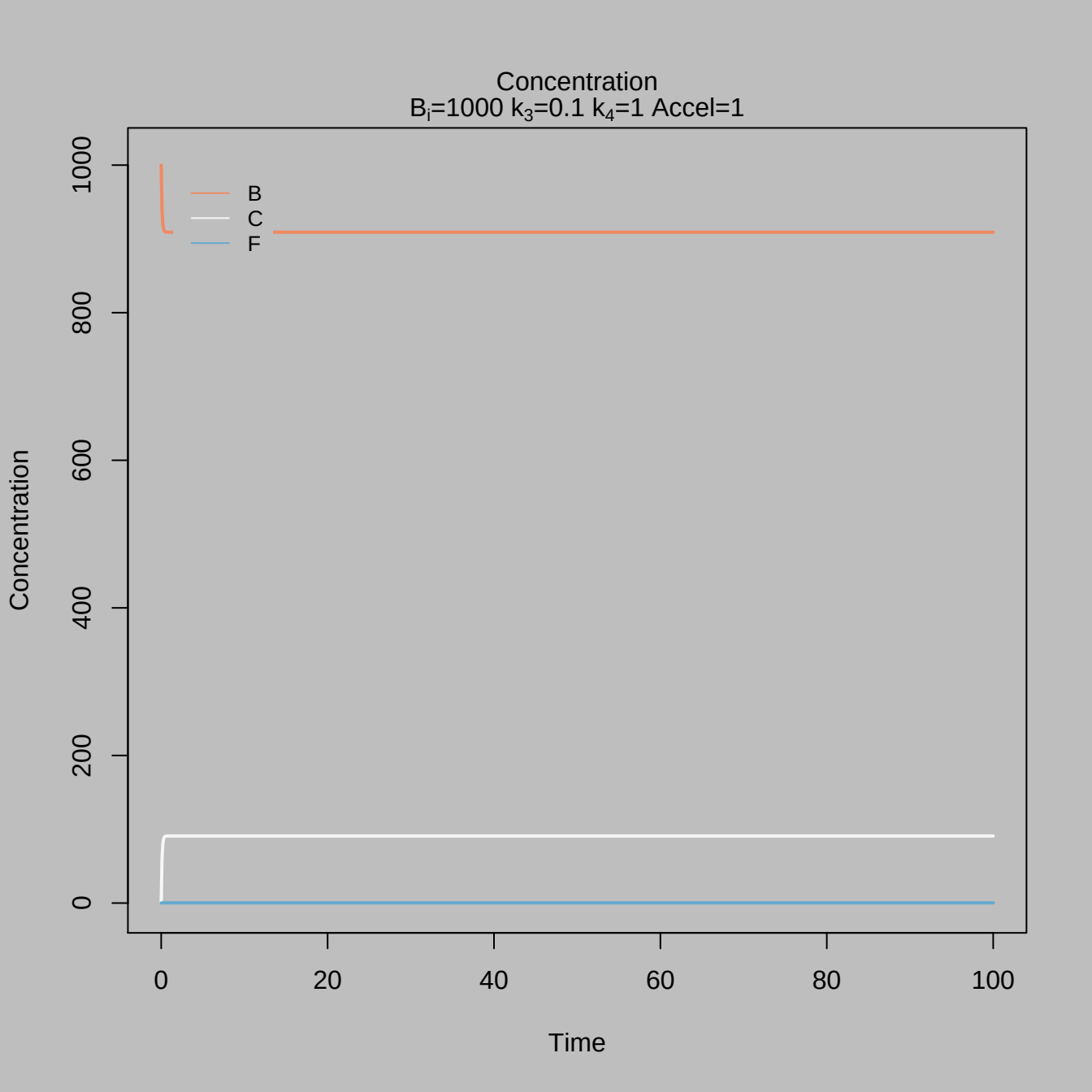
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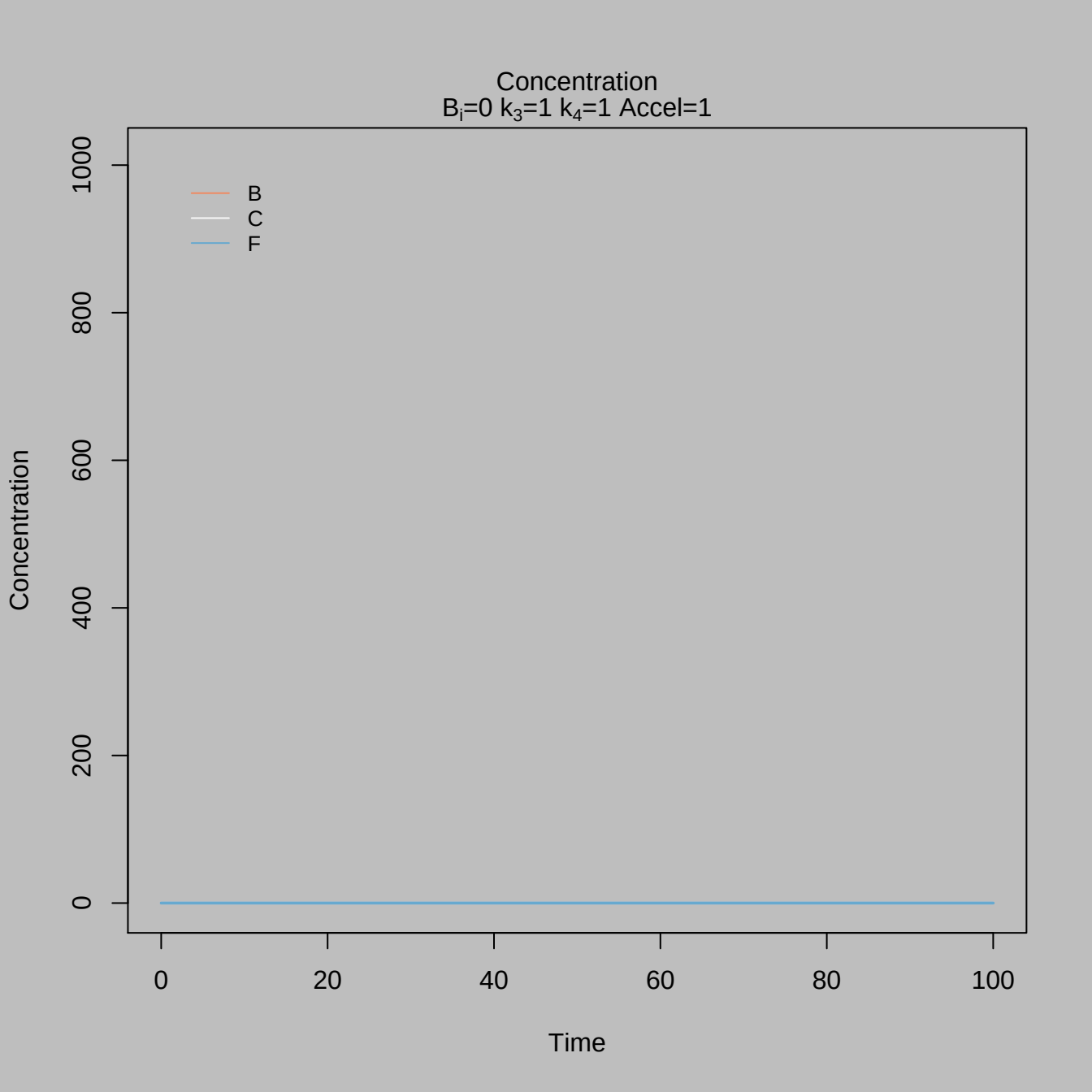
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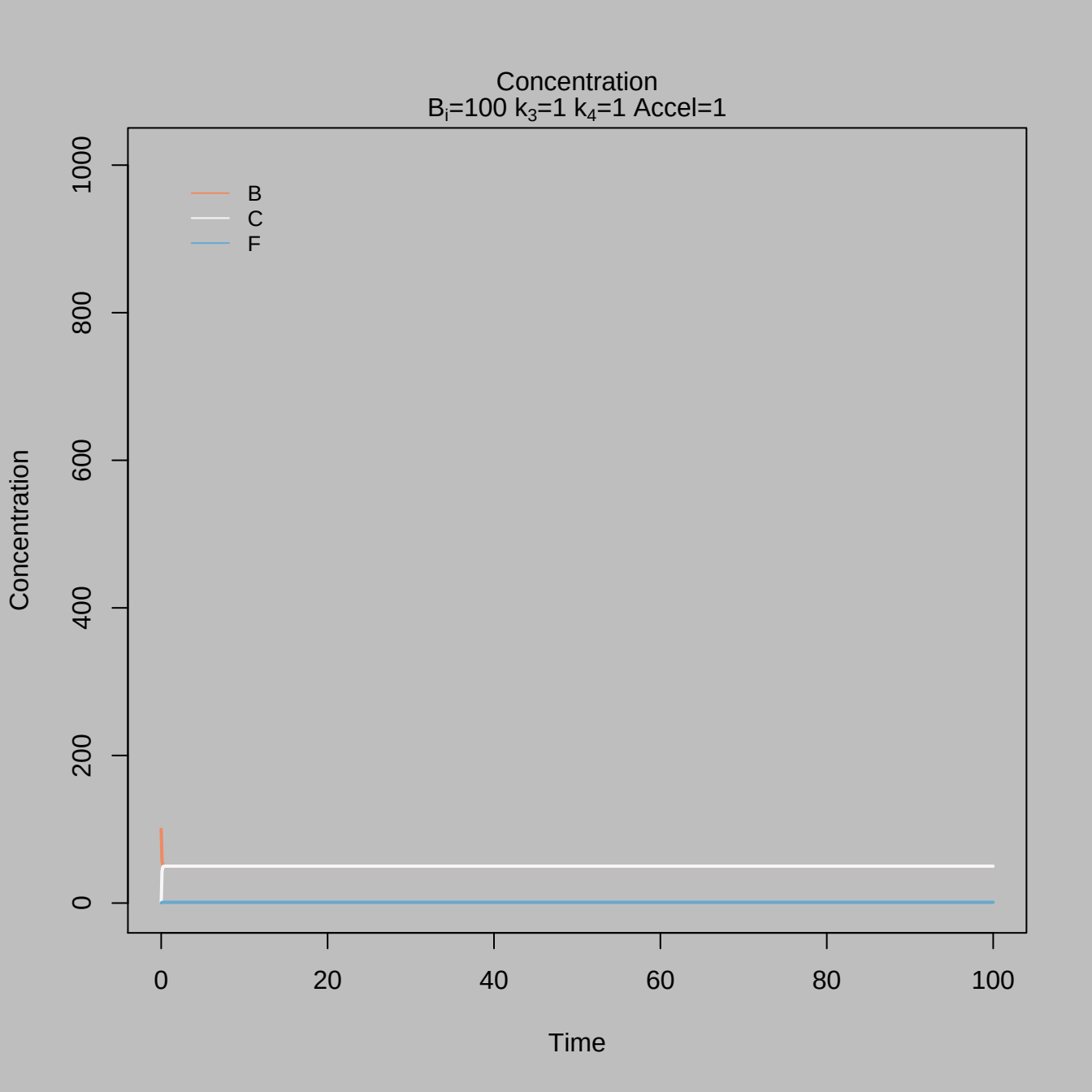
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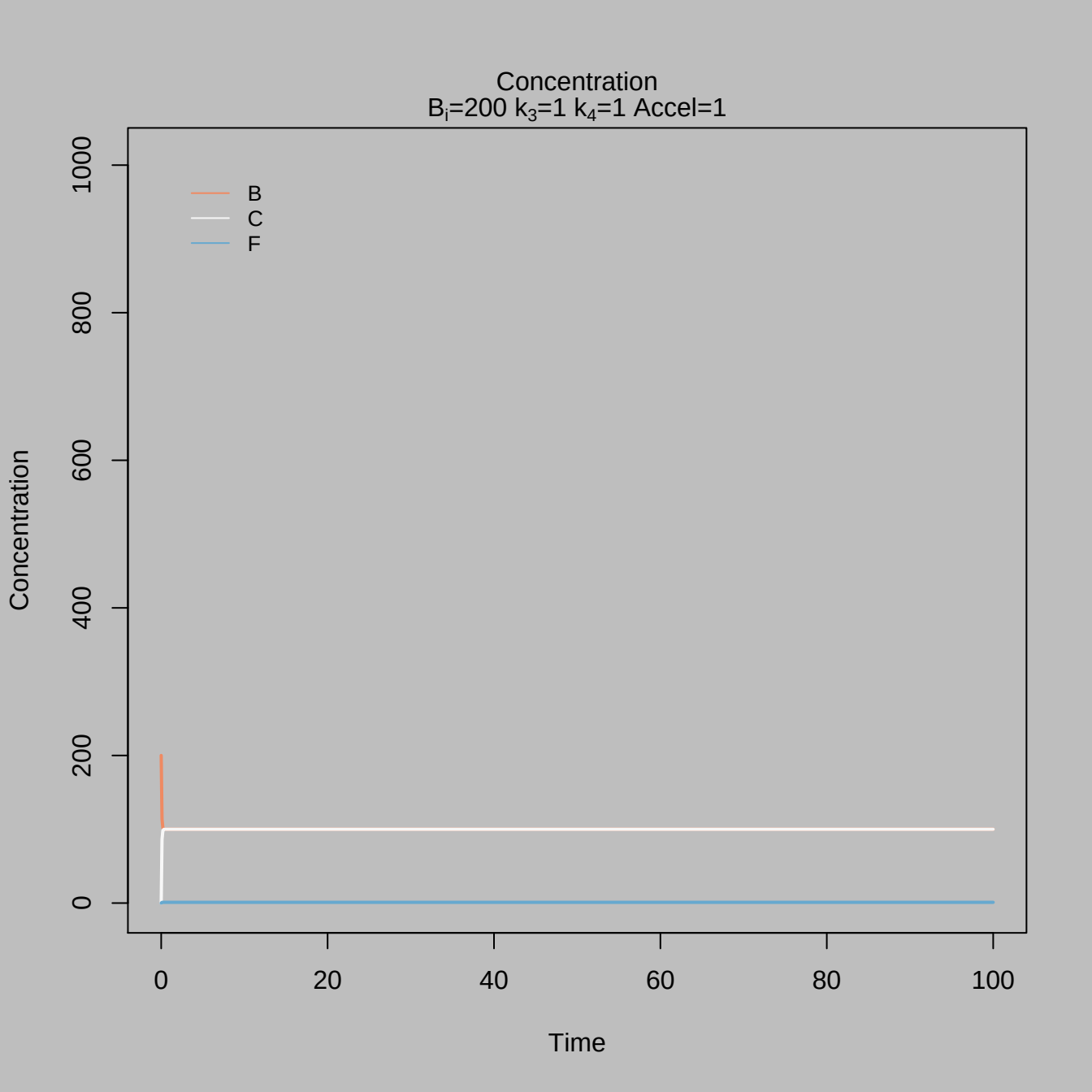
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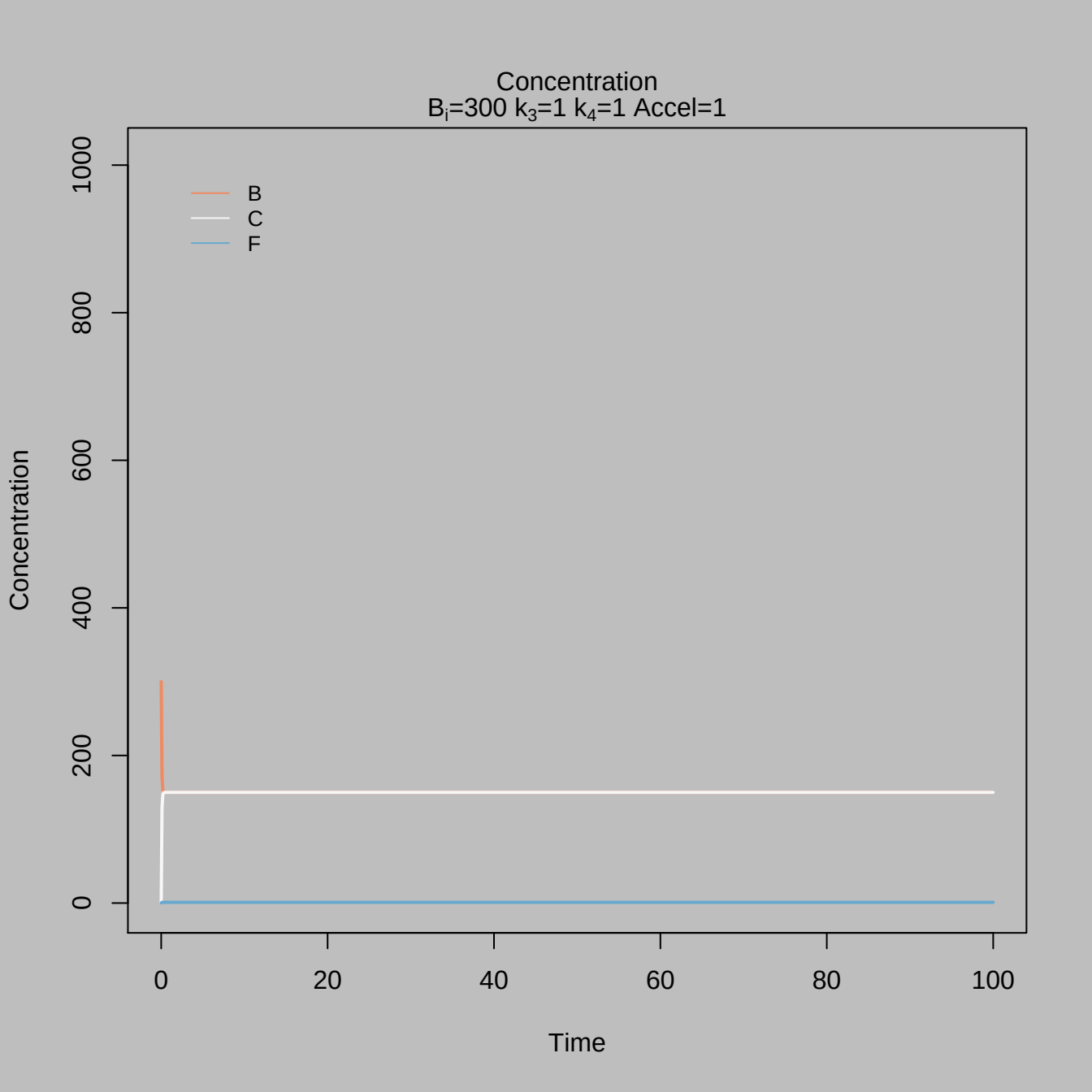
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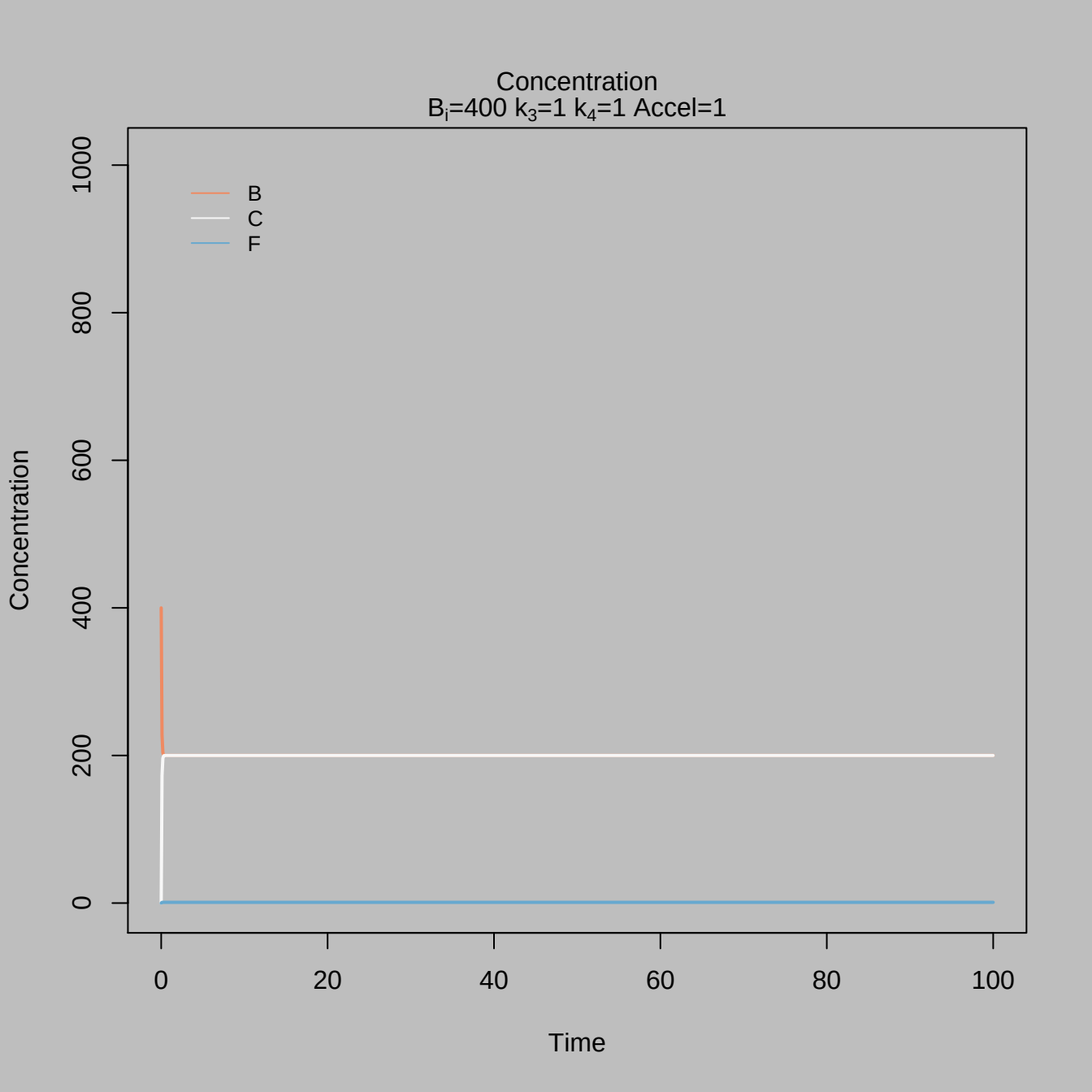
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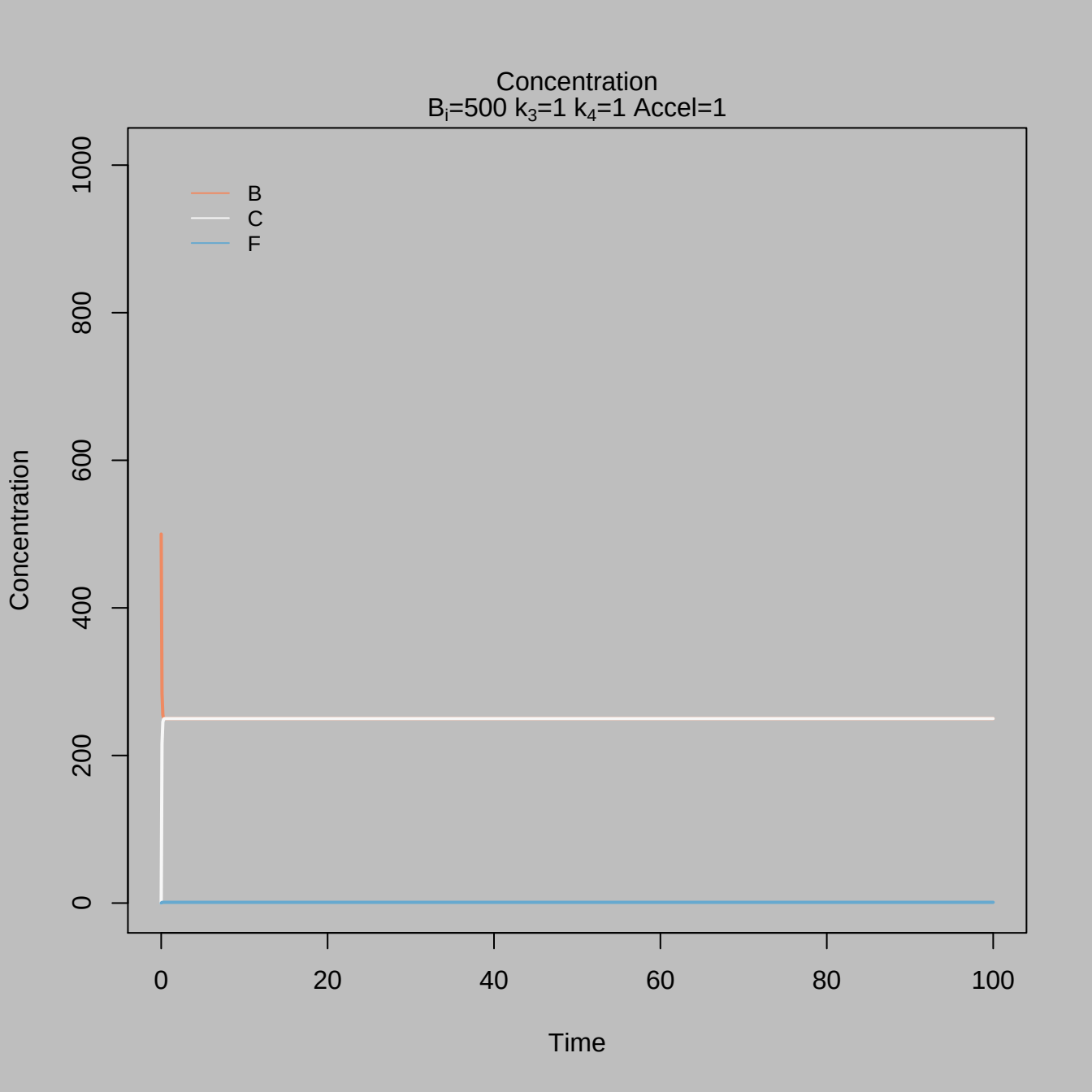
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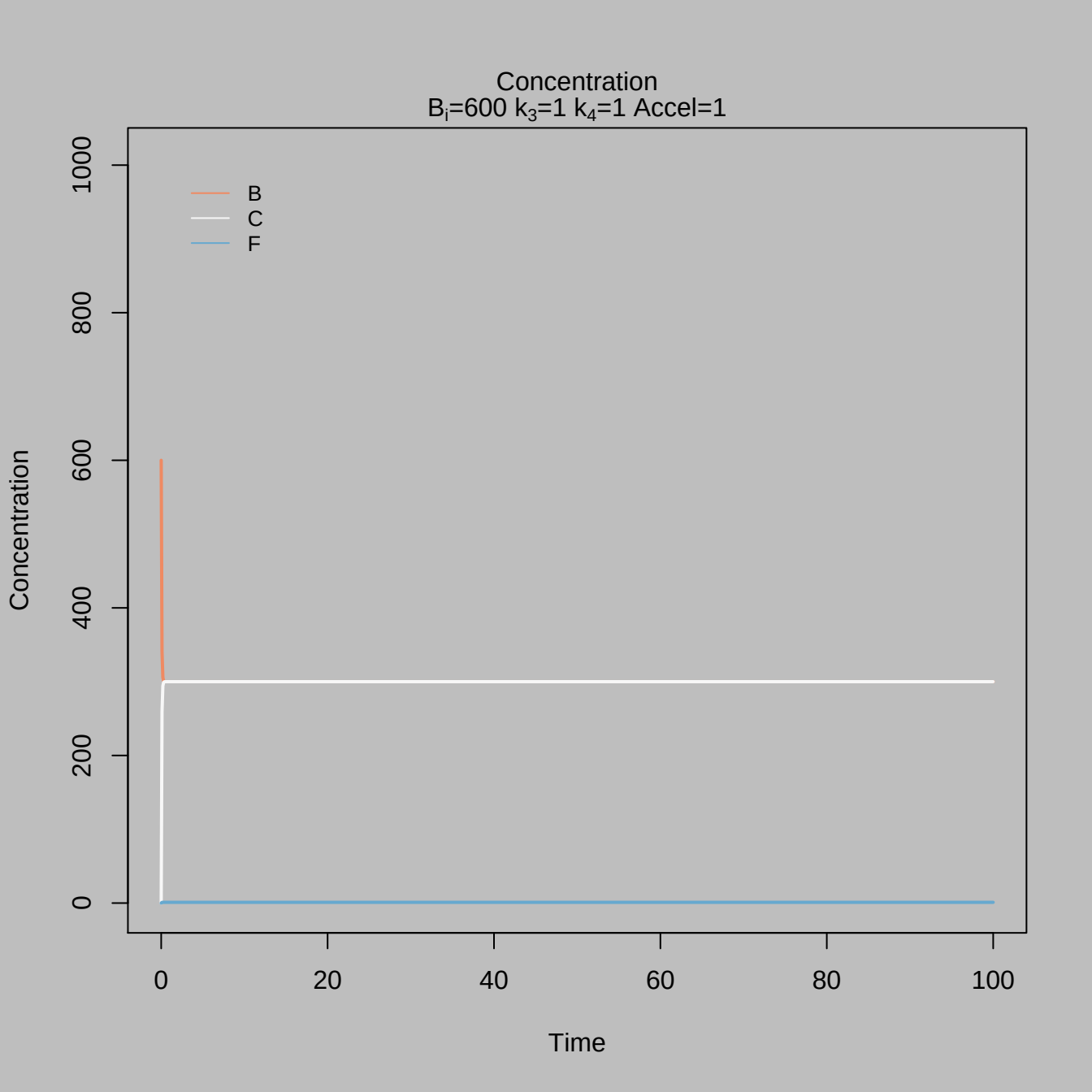
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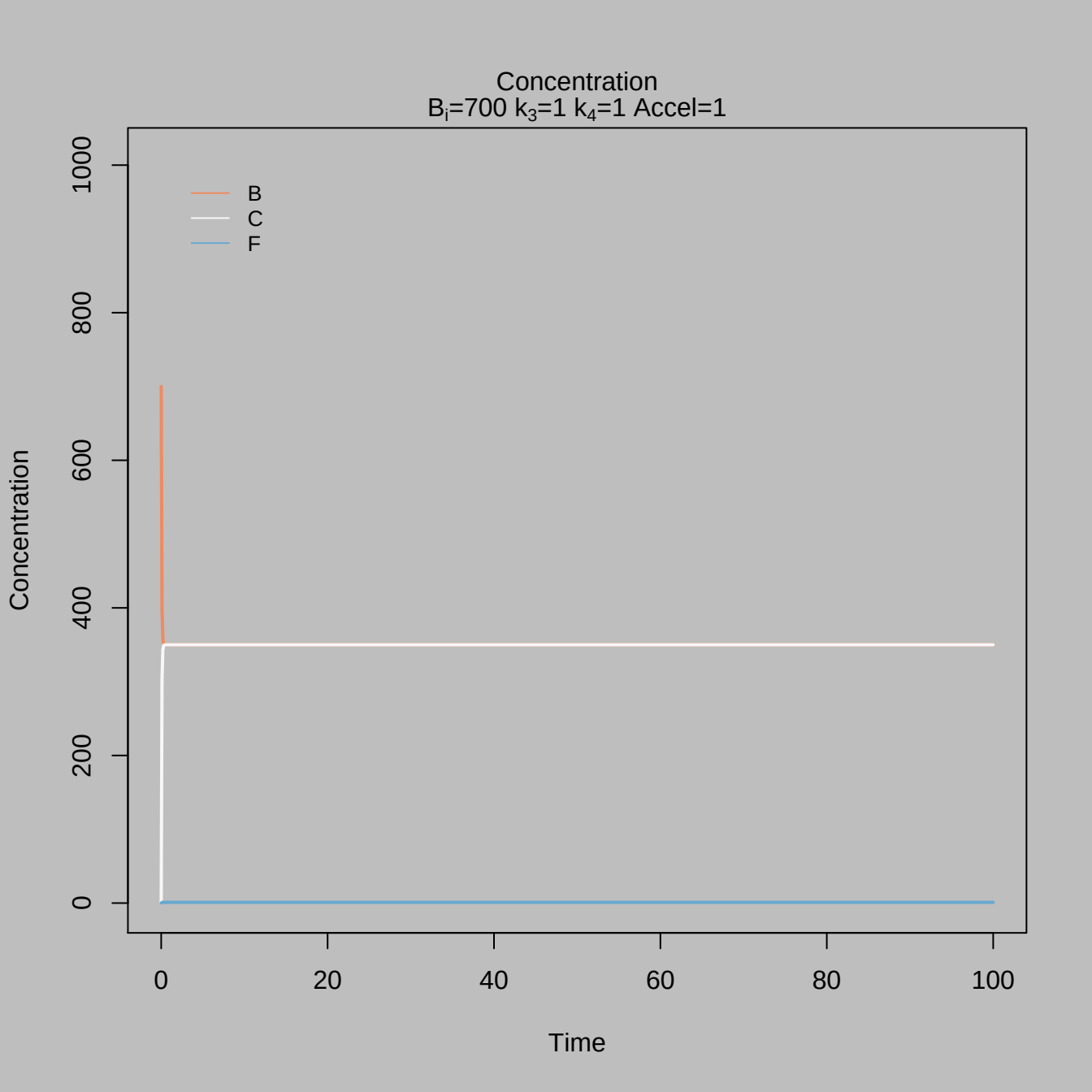
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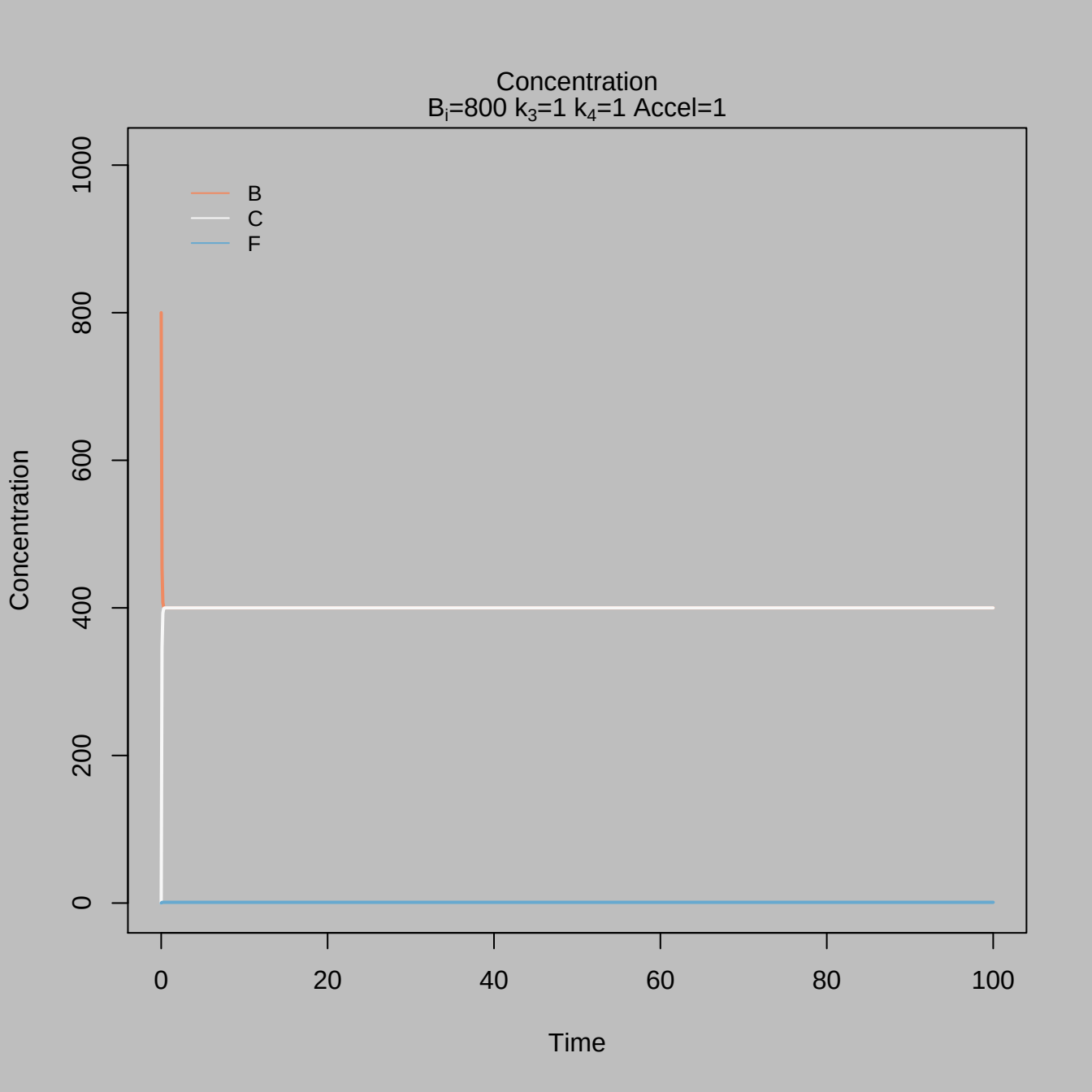
Time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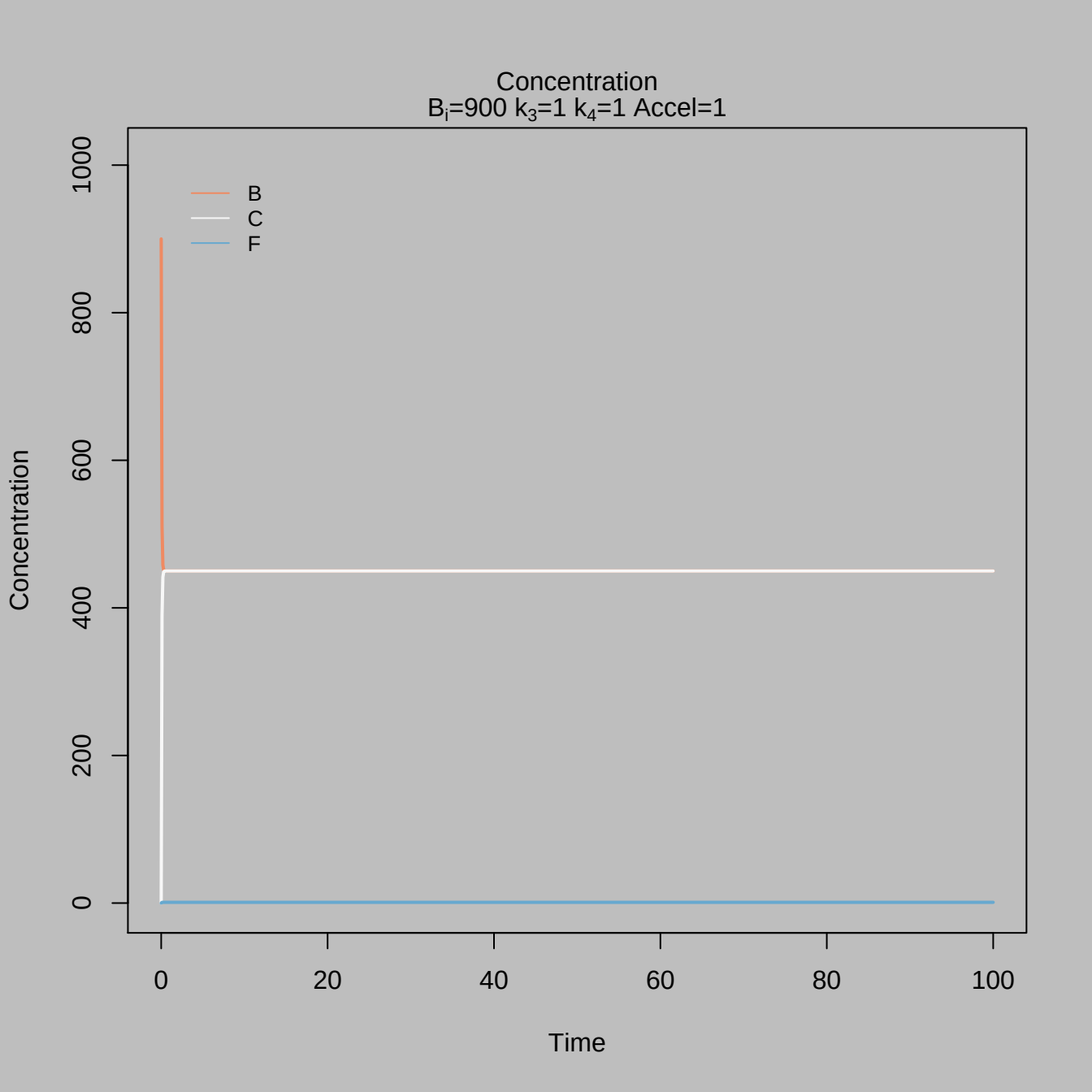
Time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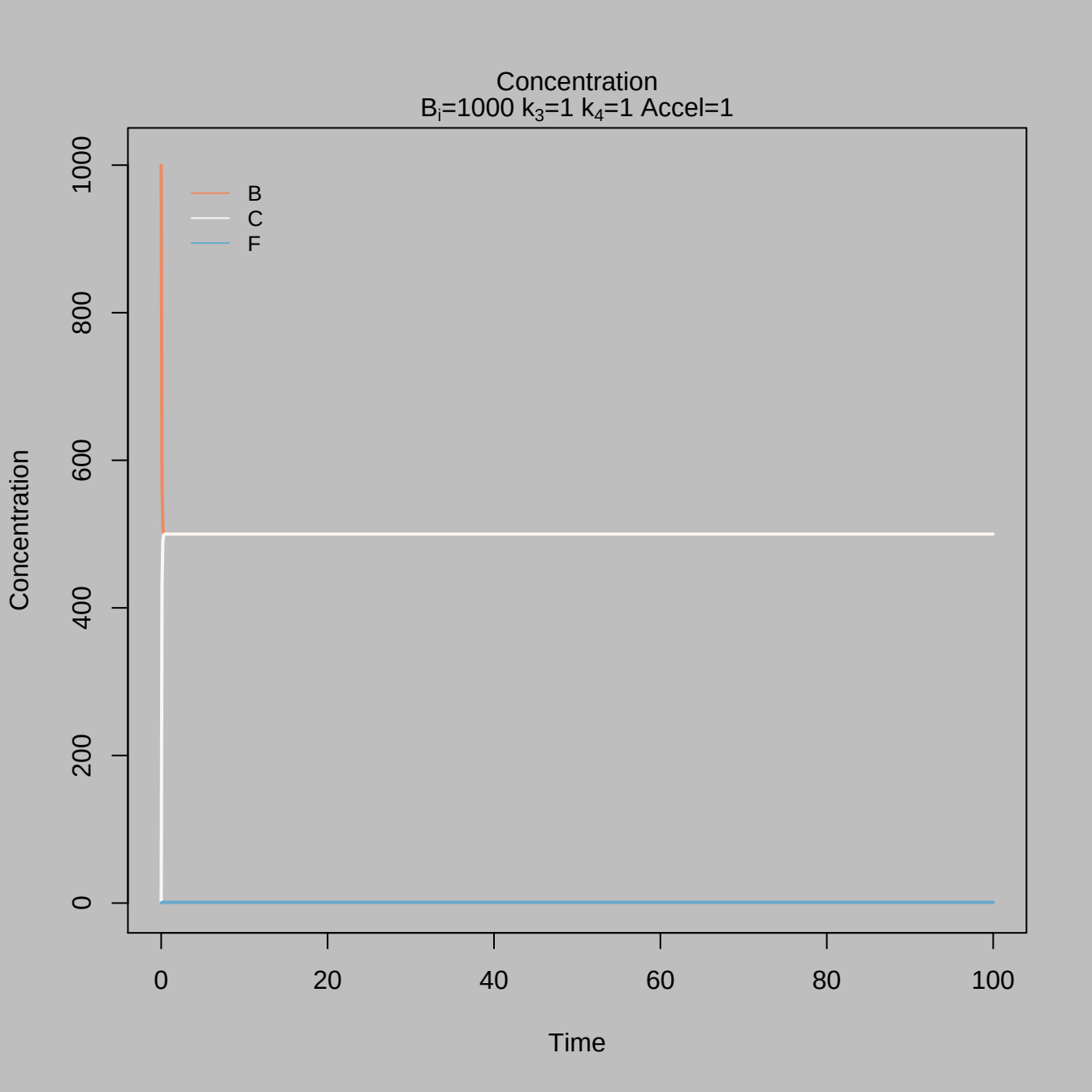
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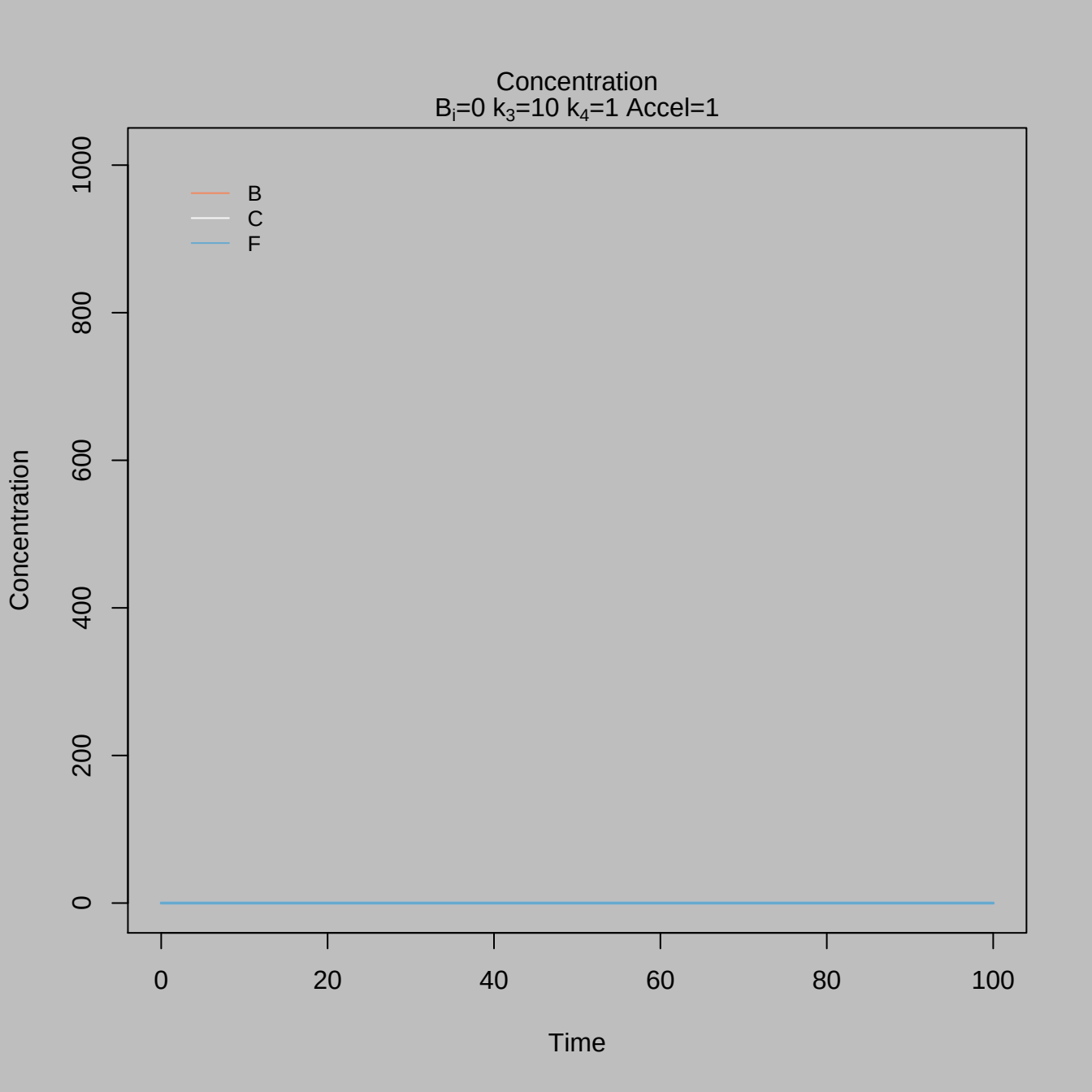
Time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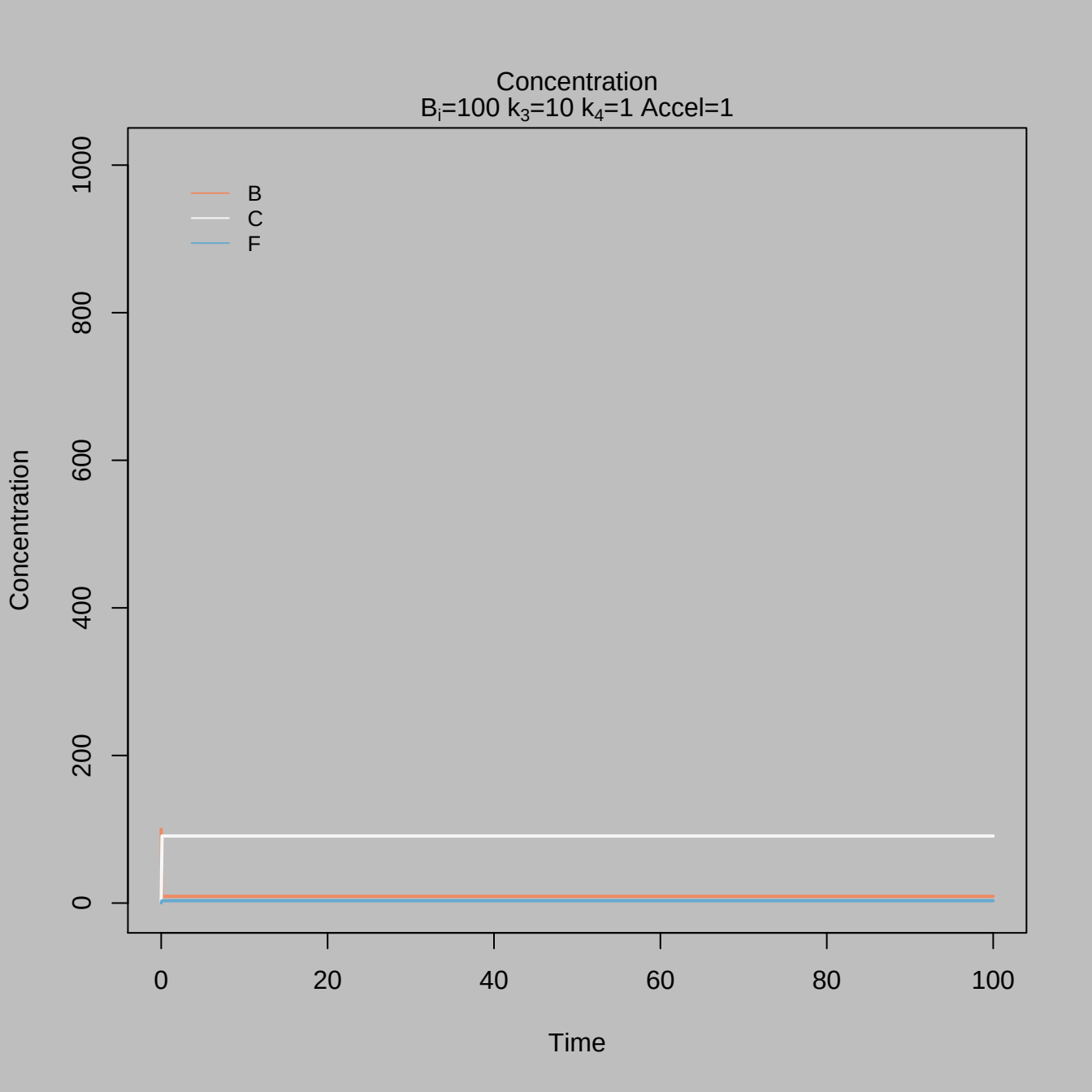
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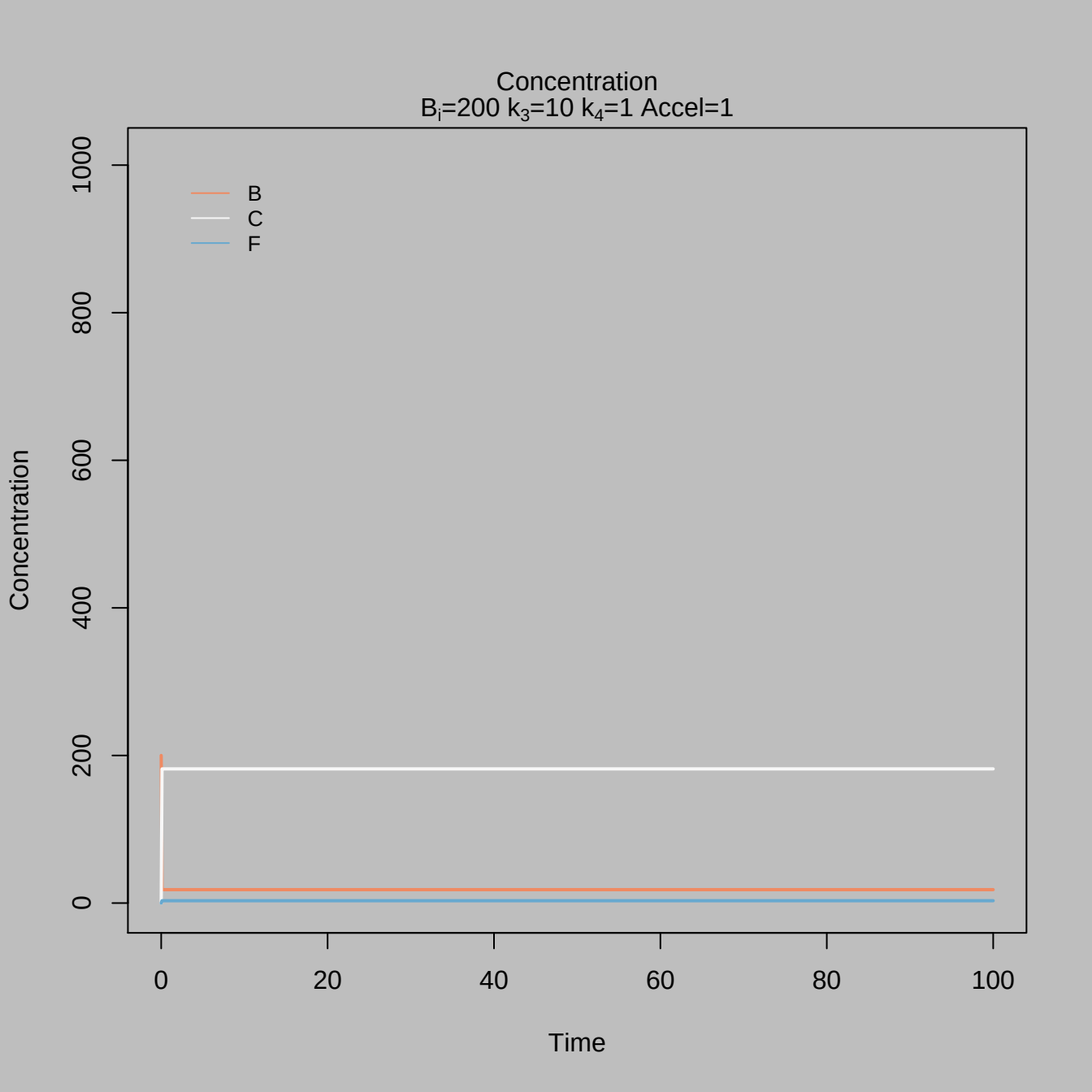
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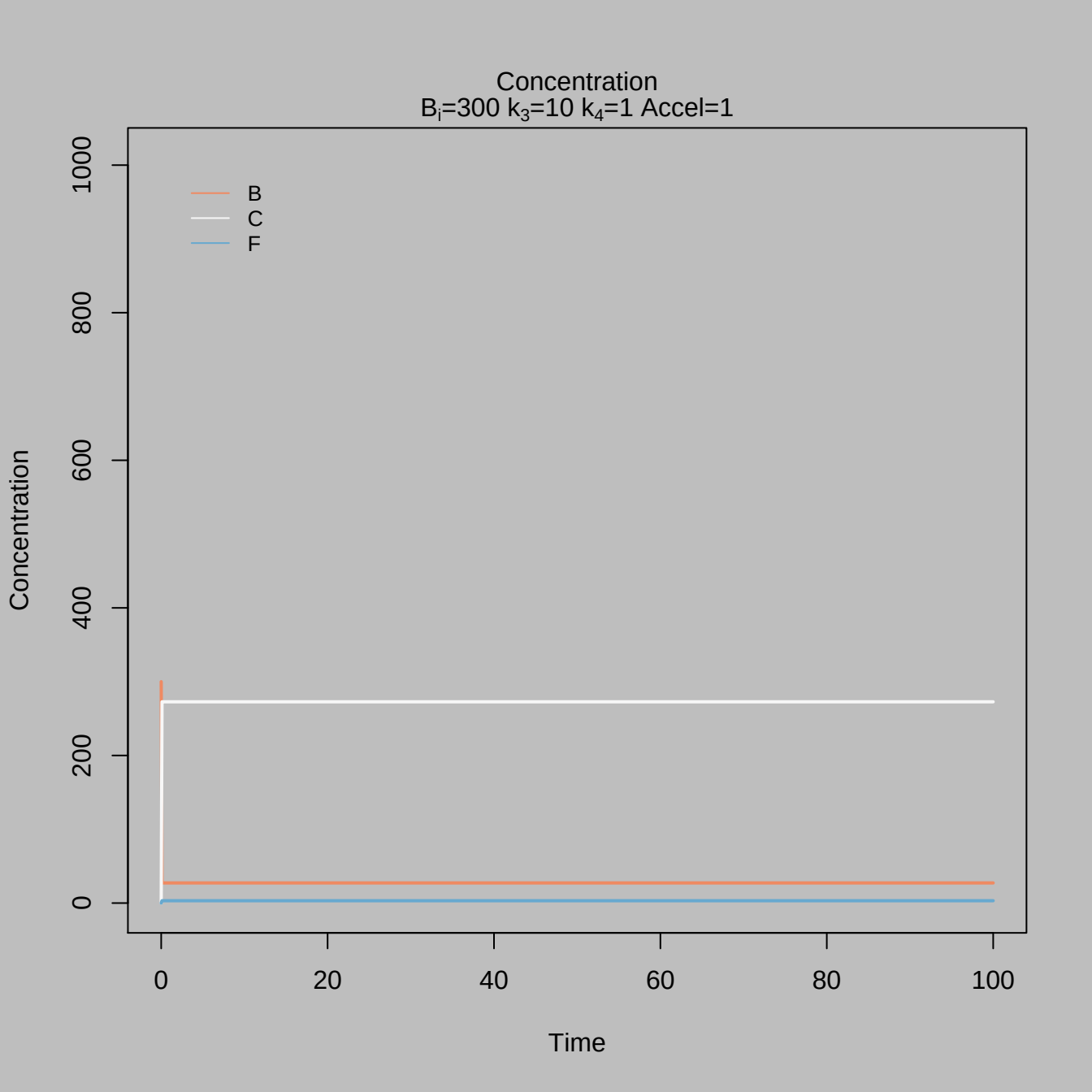
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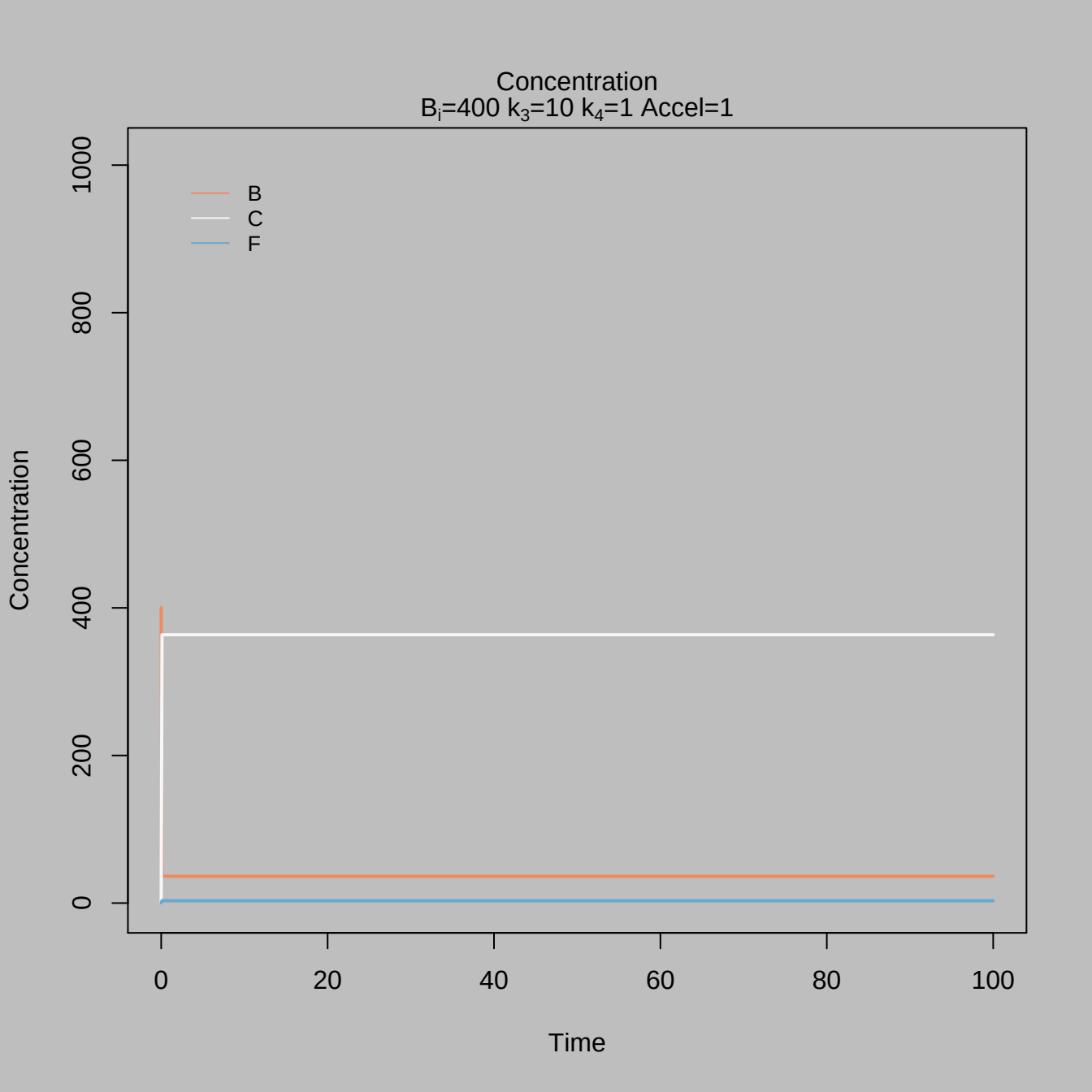
Time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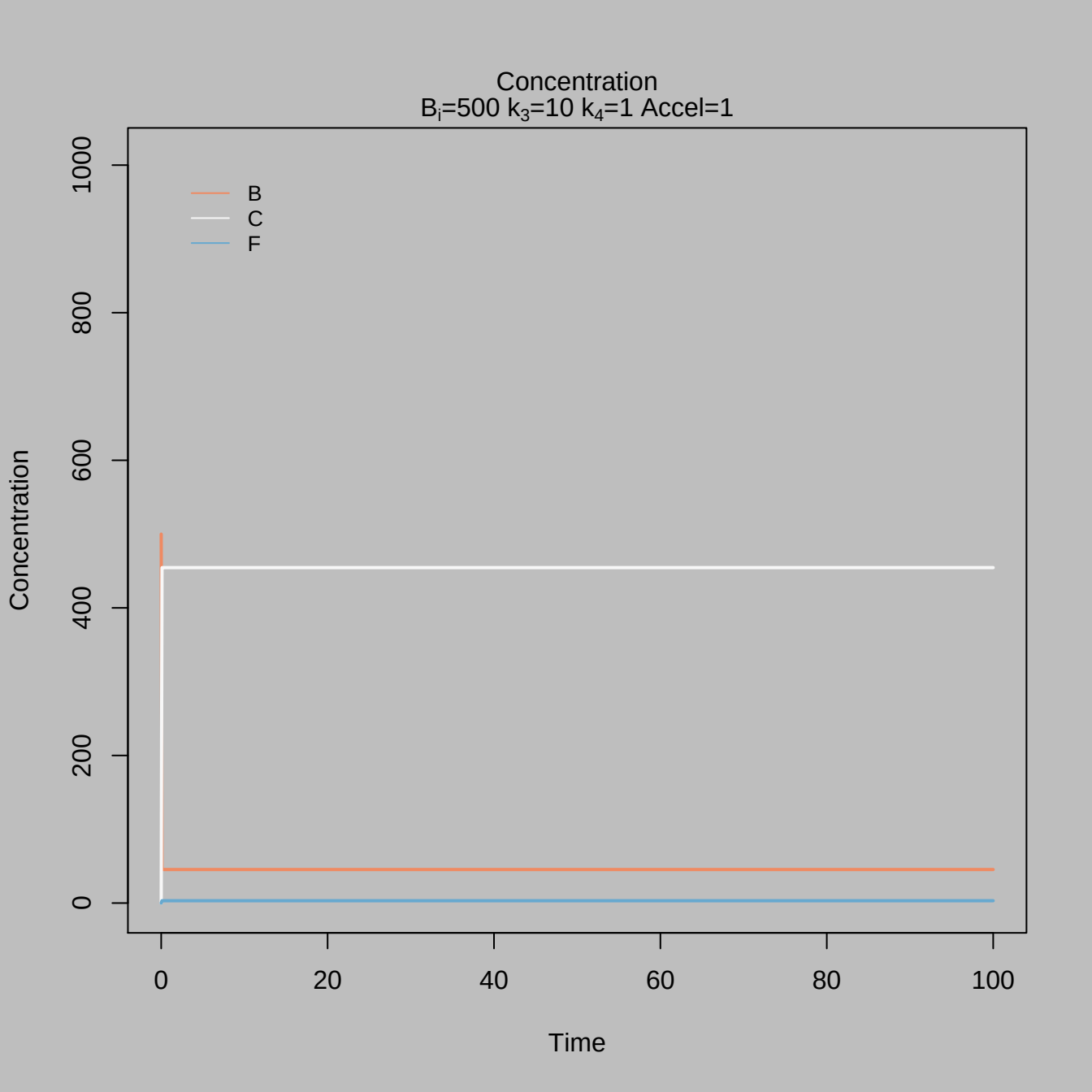
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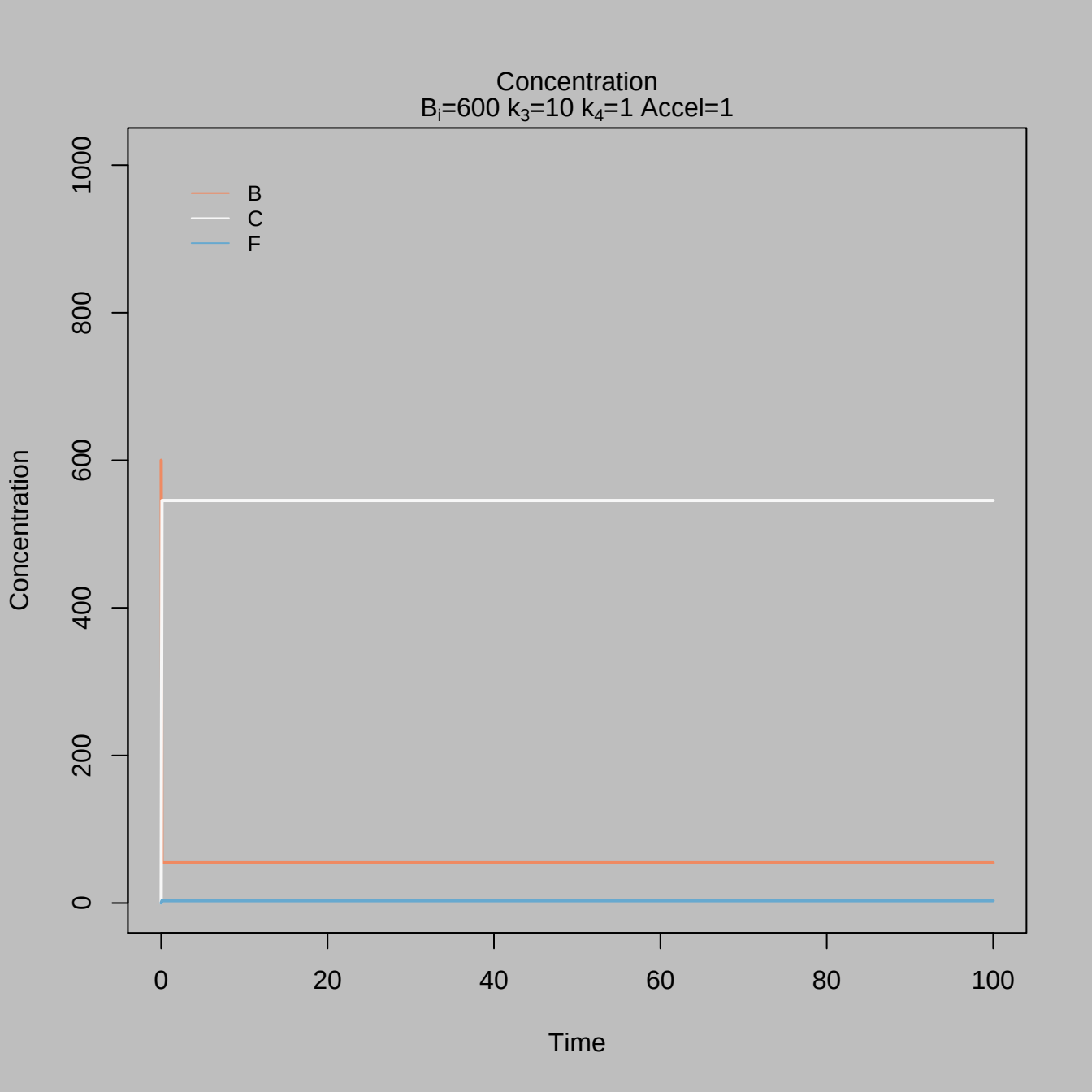
Time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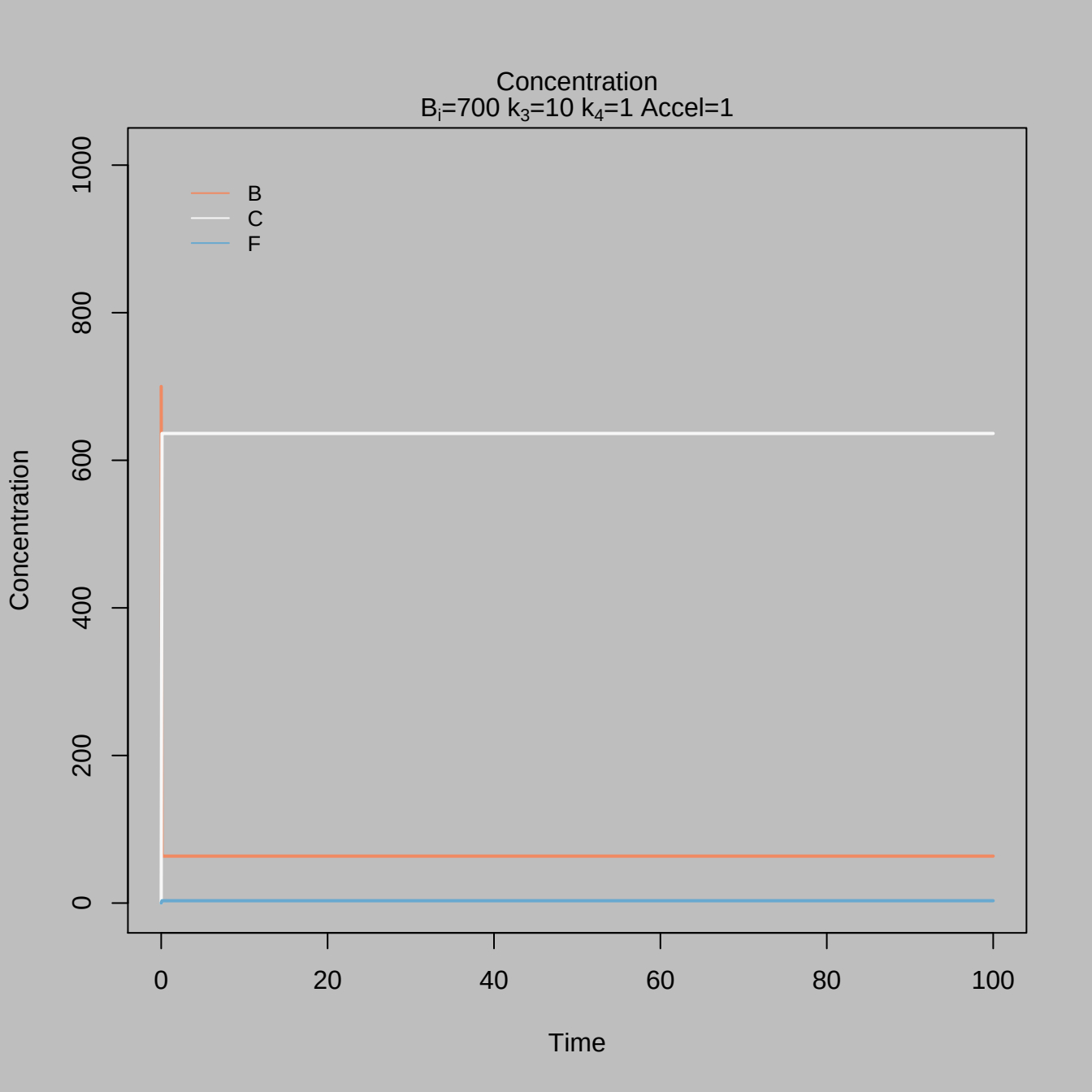
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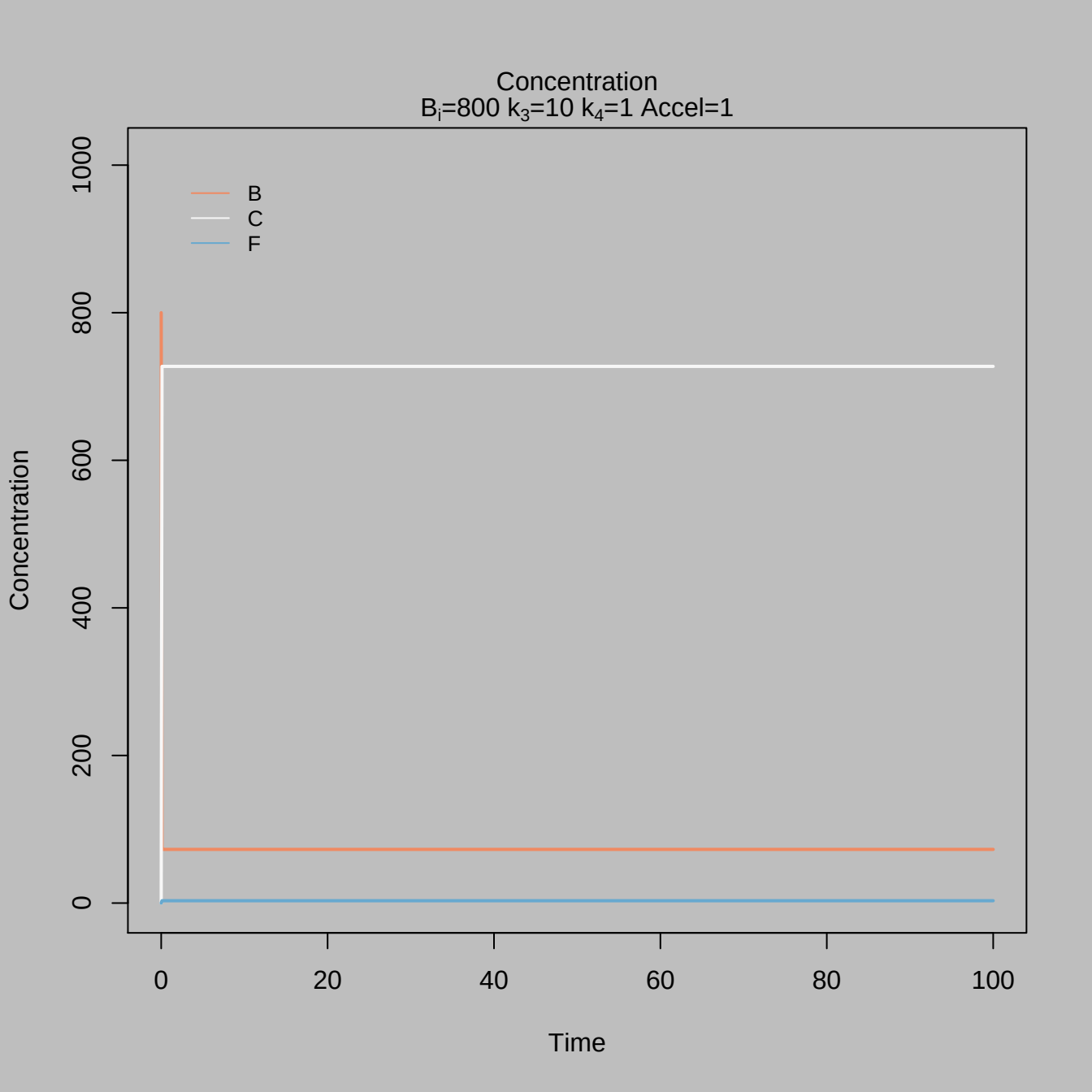
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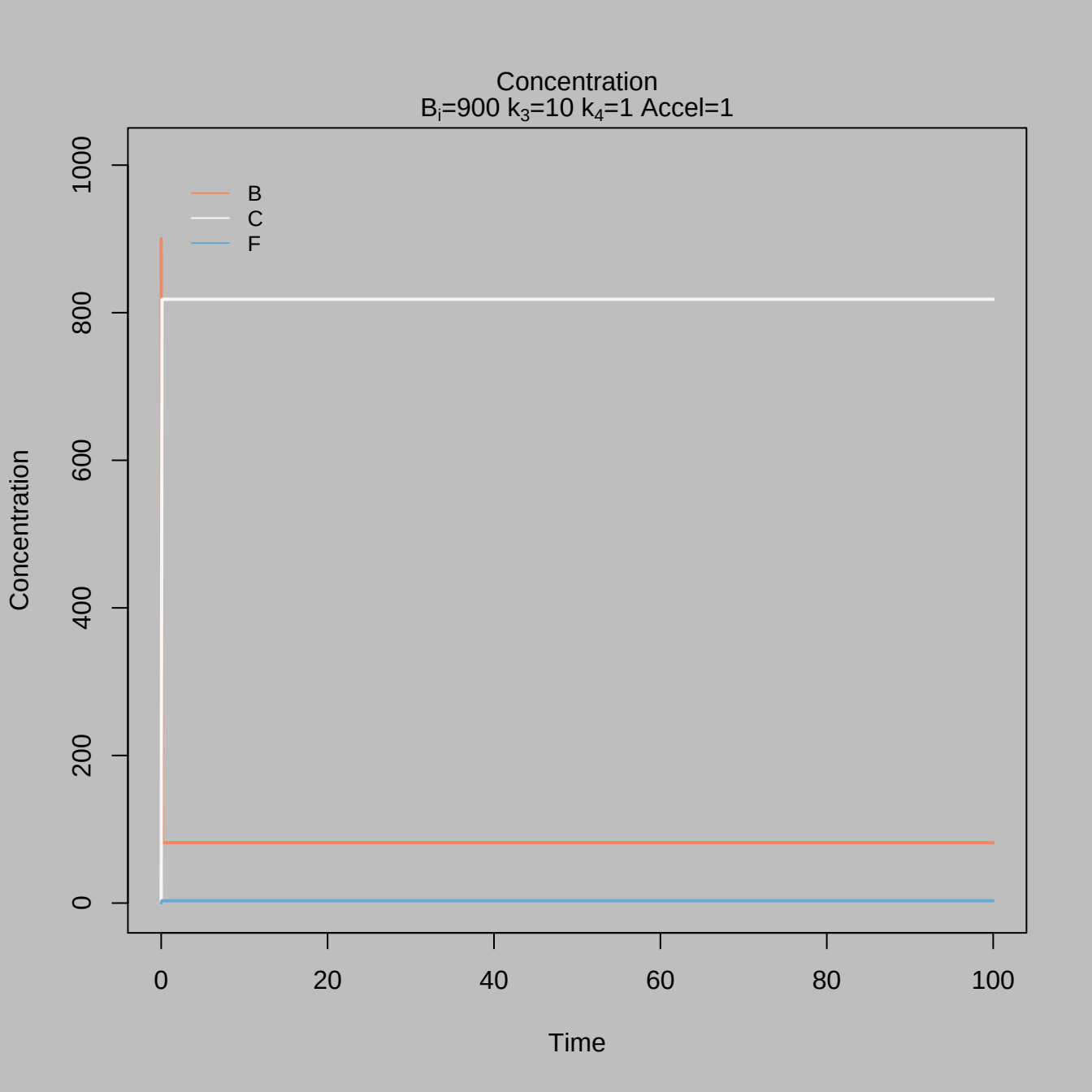
Concentration
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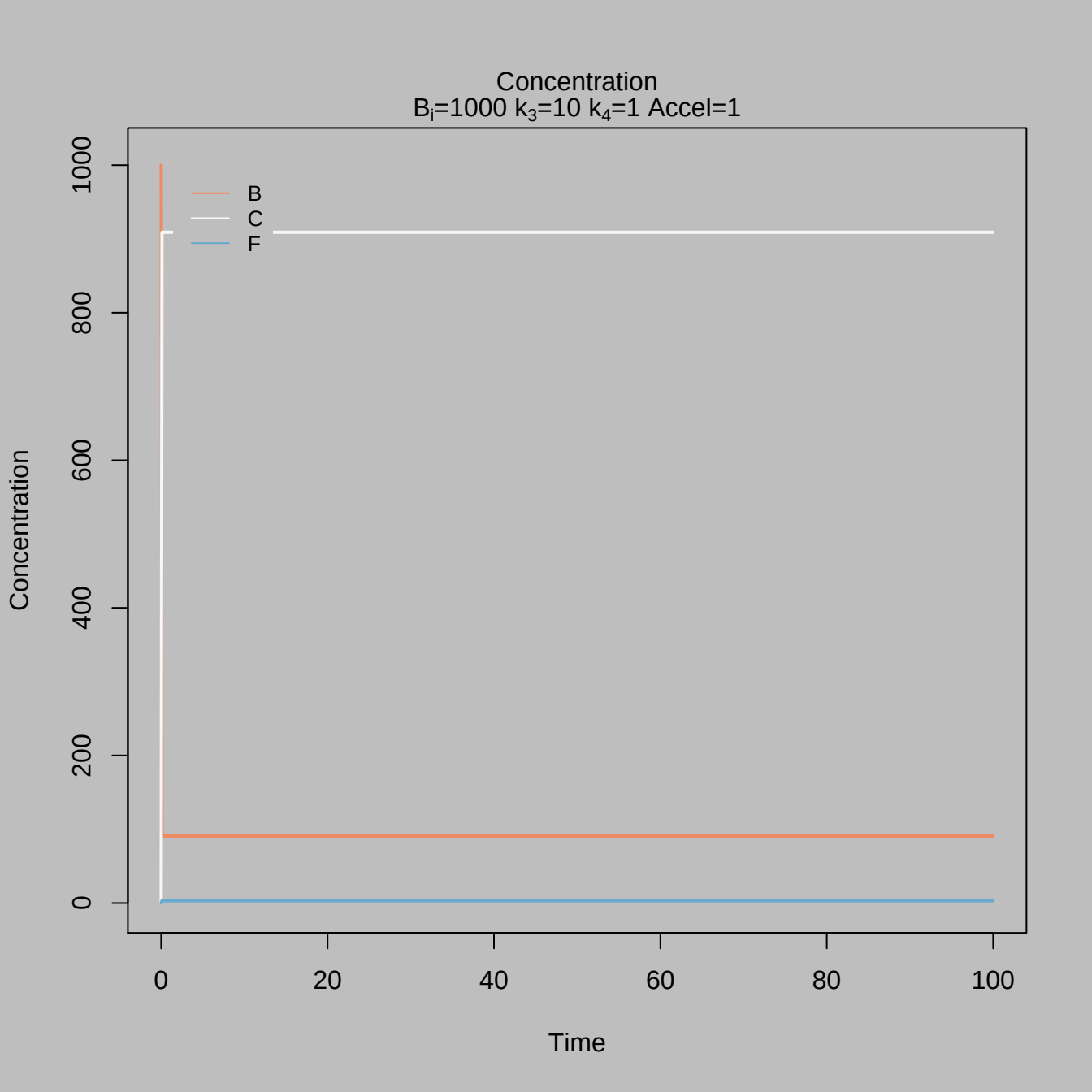
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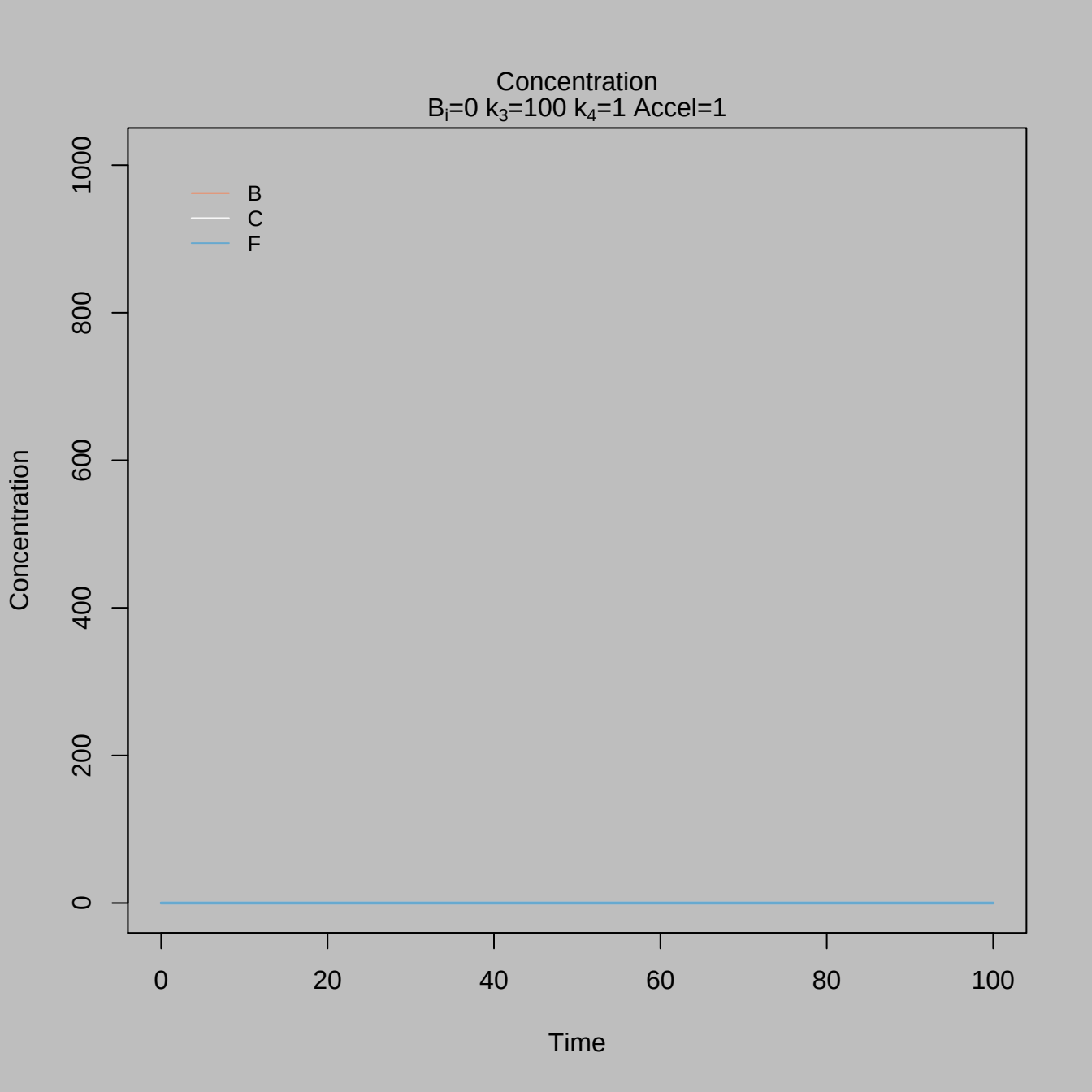
Concentration
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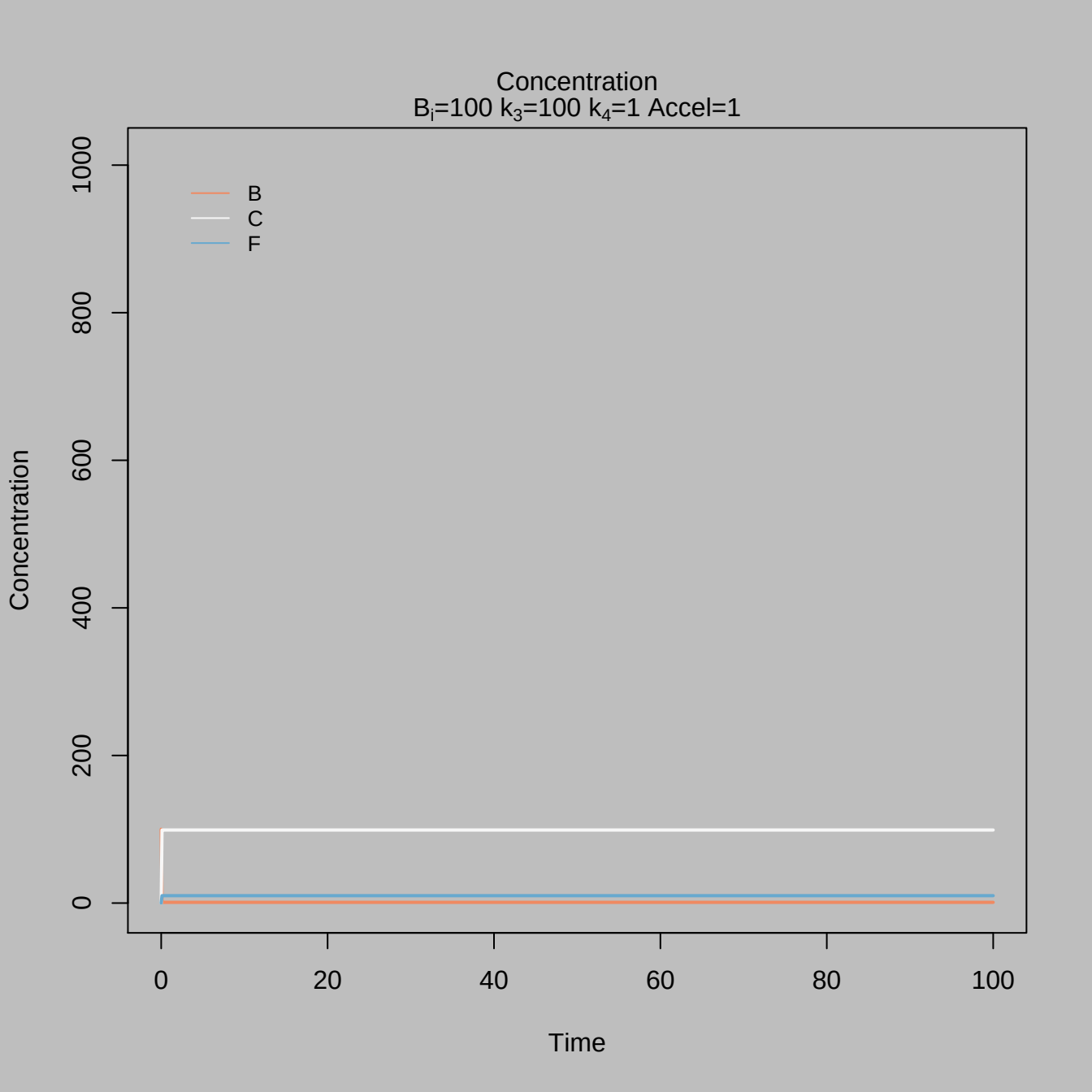
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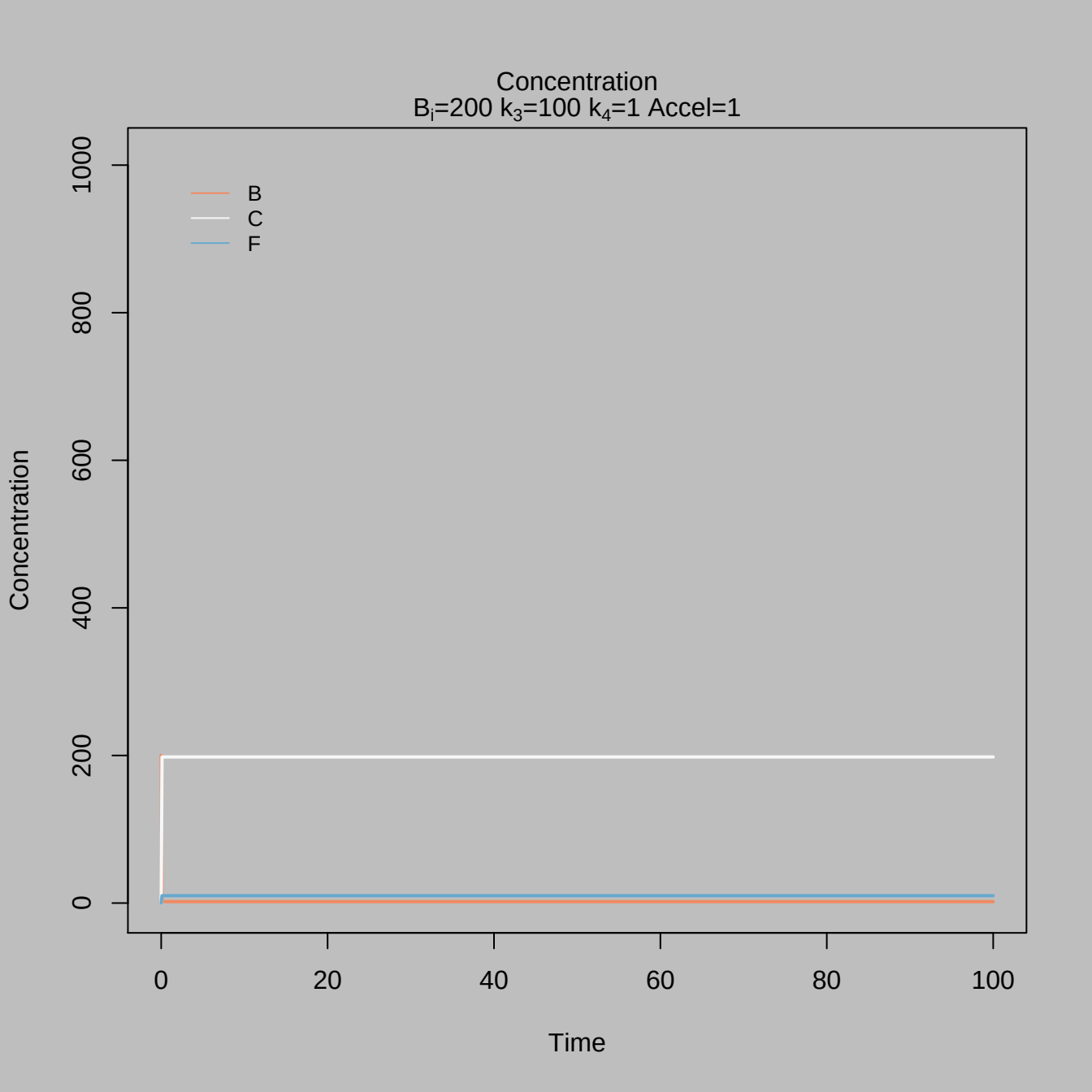
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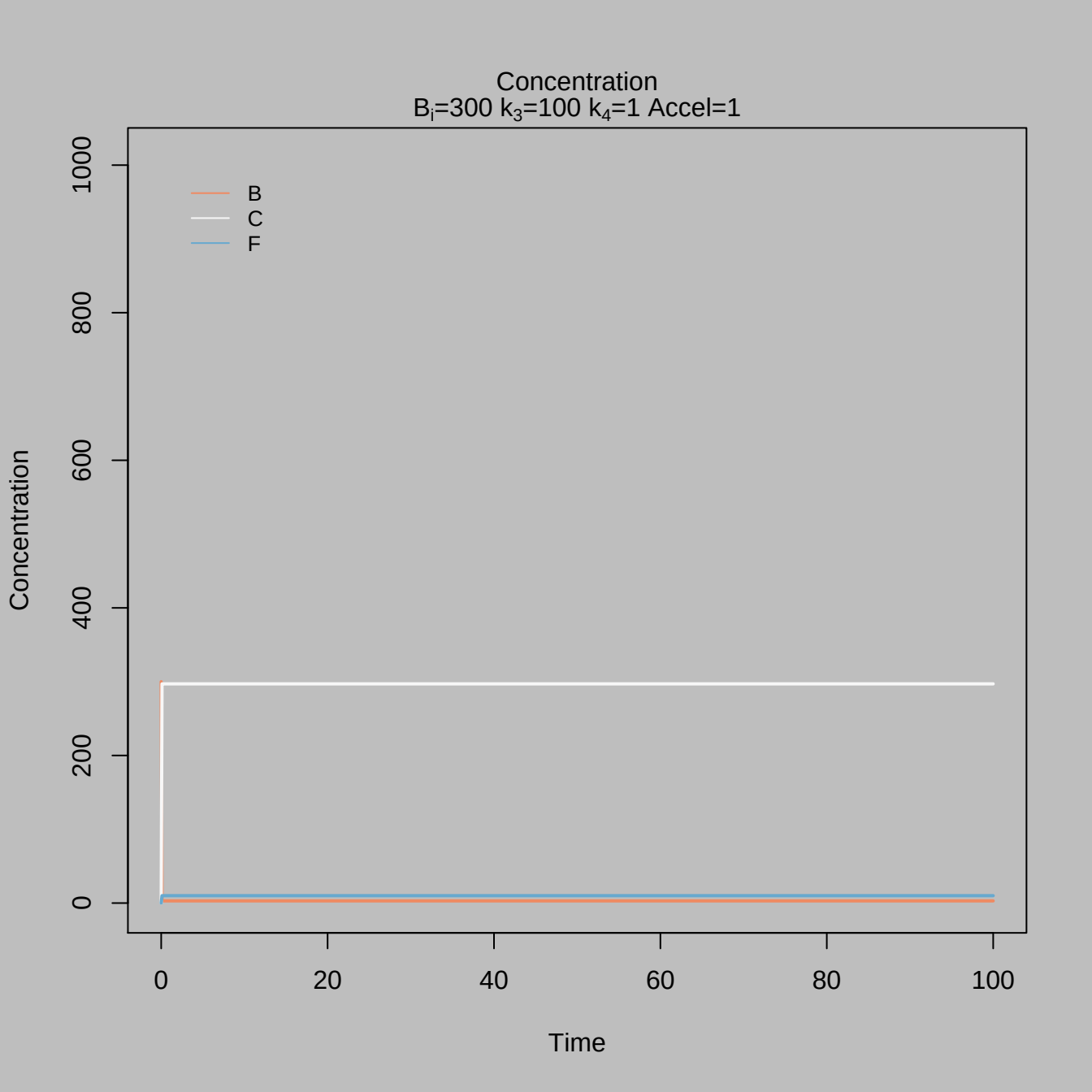
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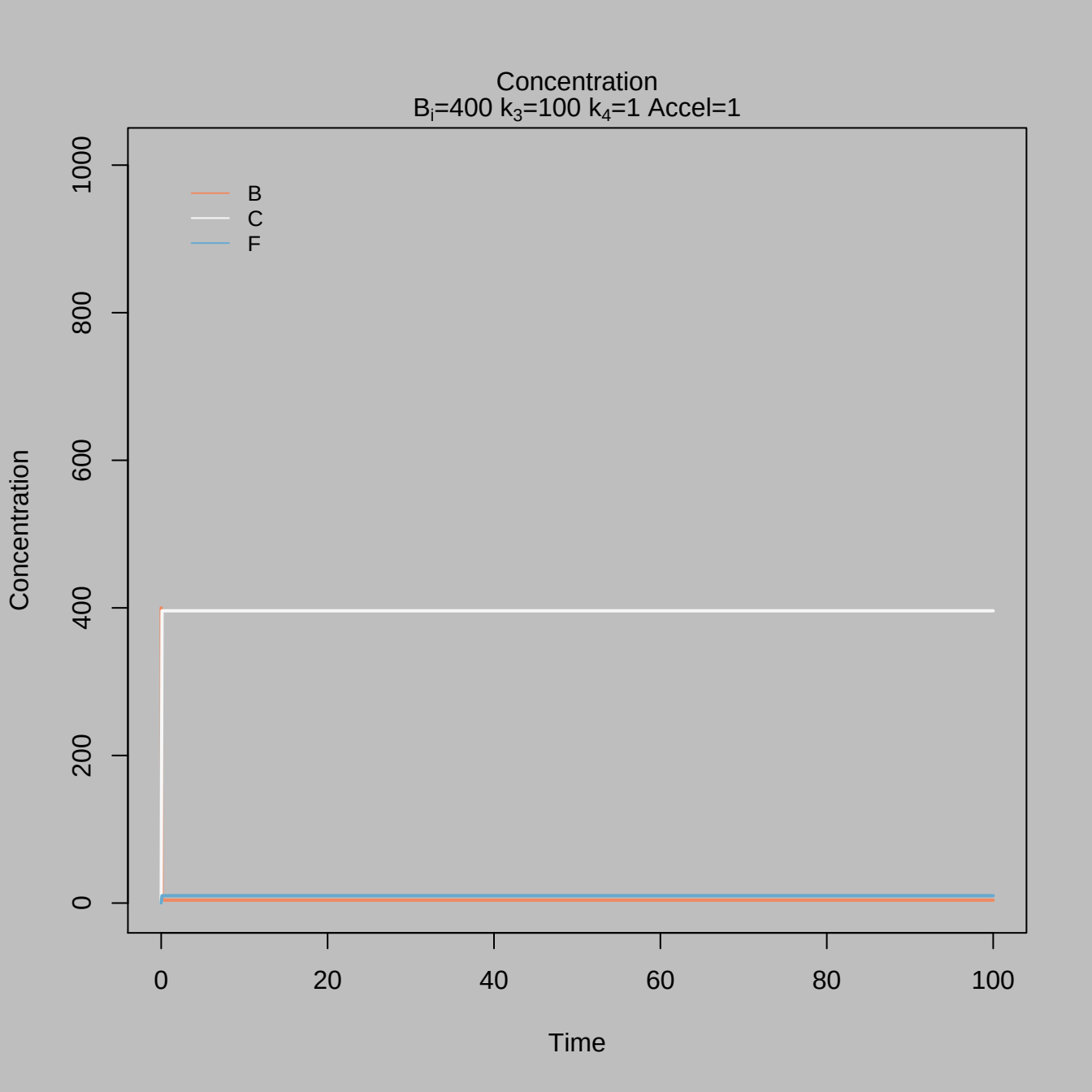
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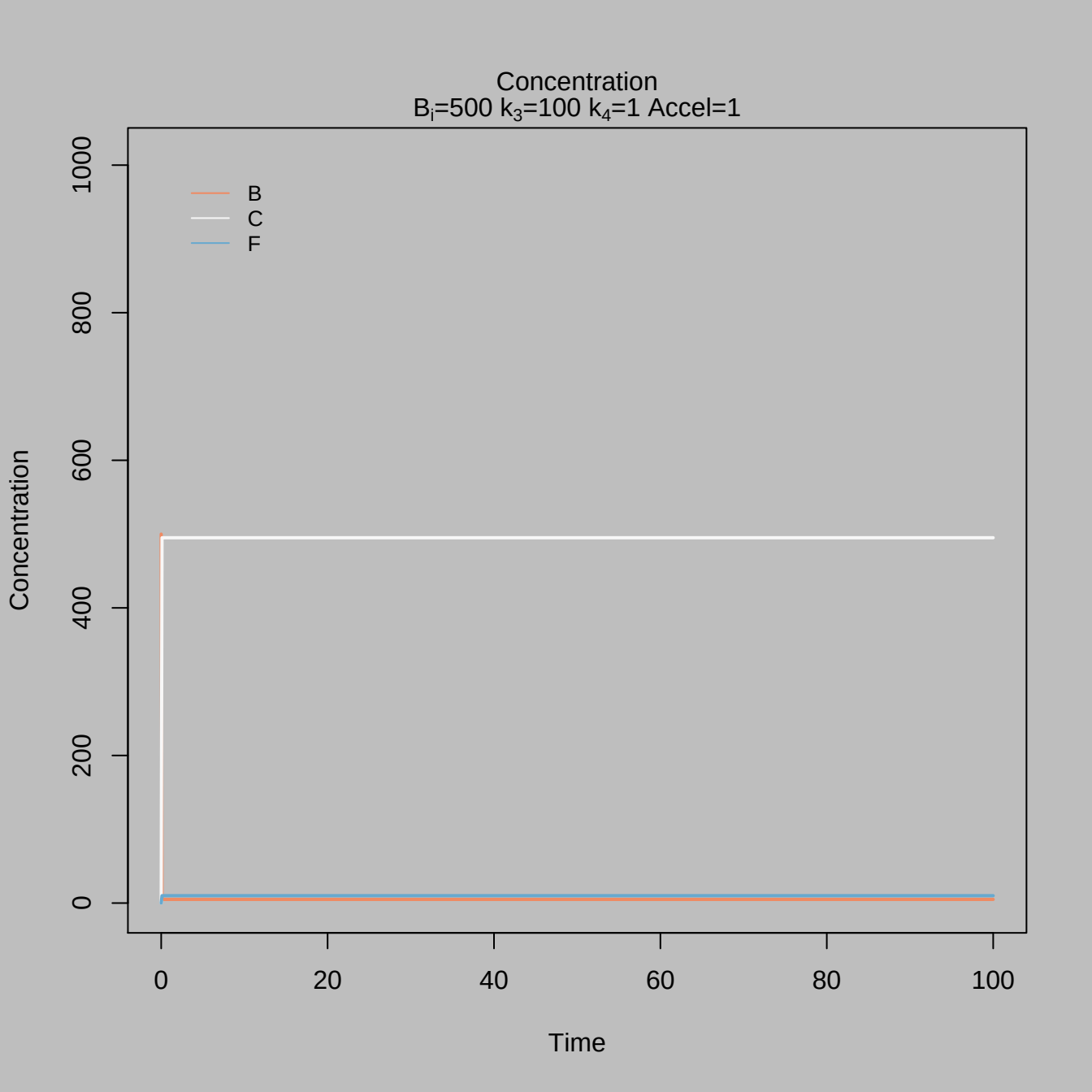
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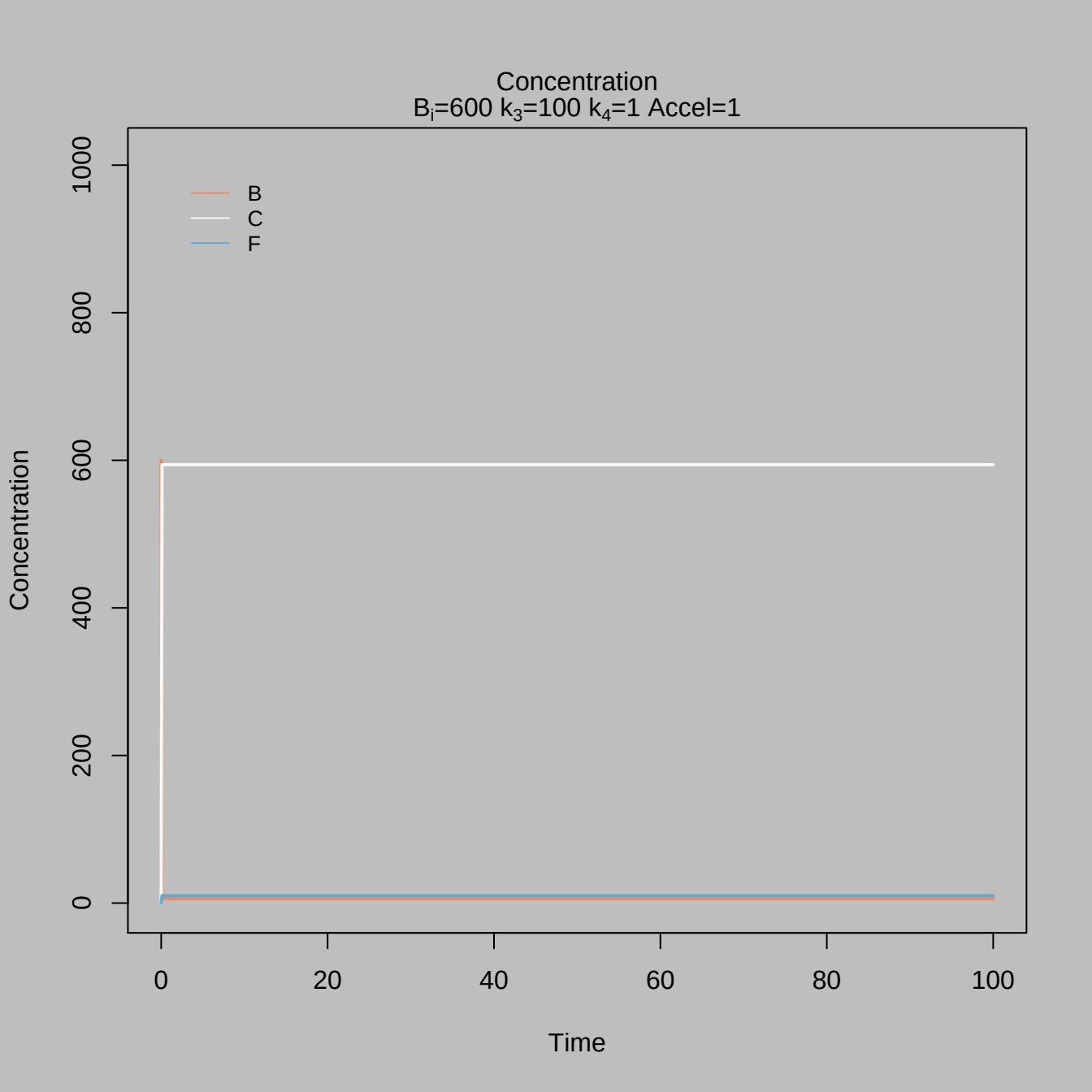
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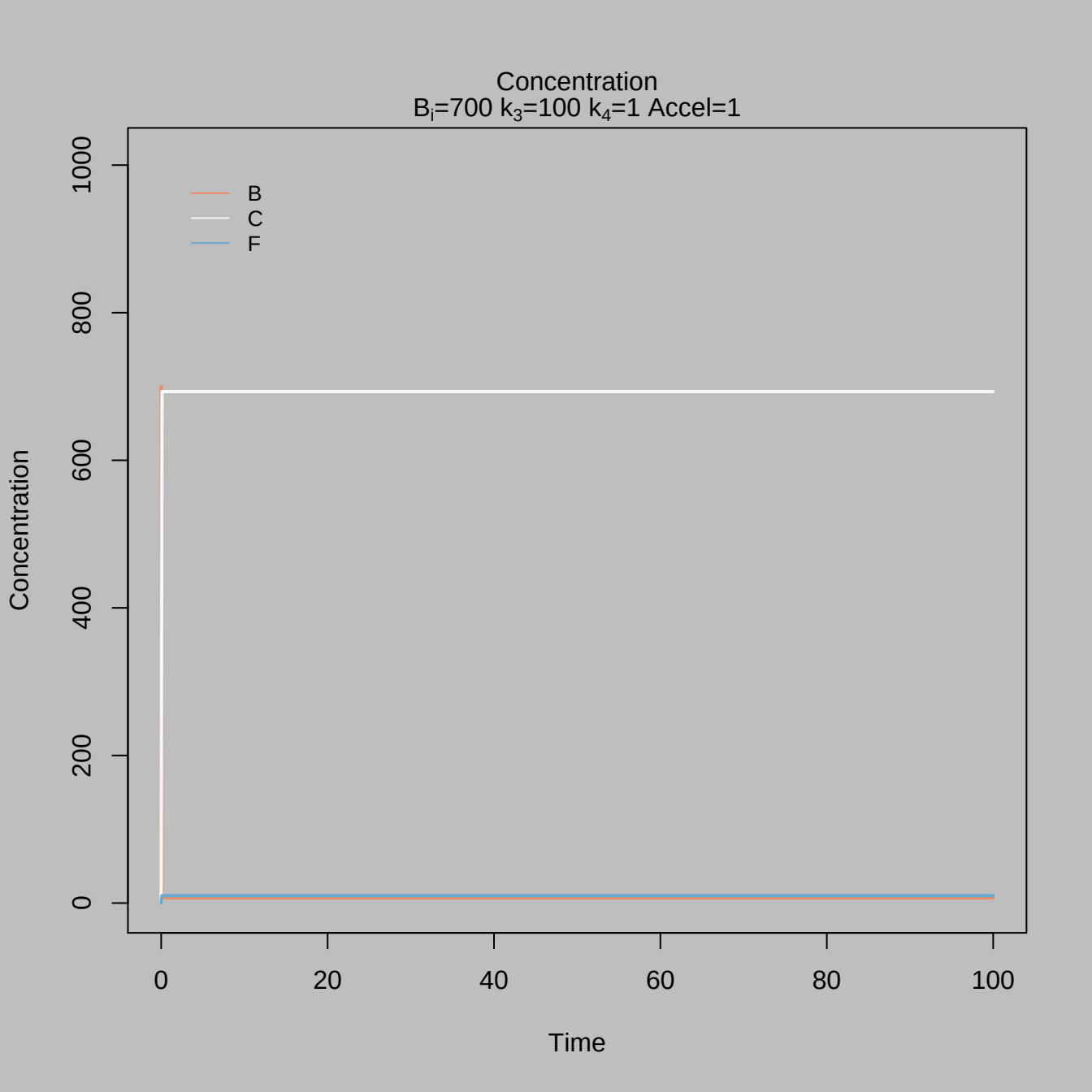
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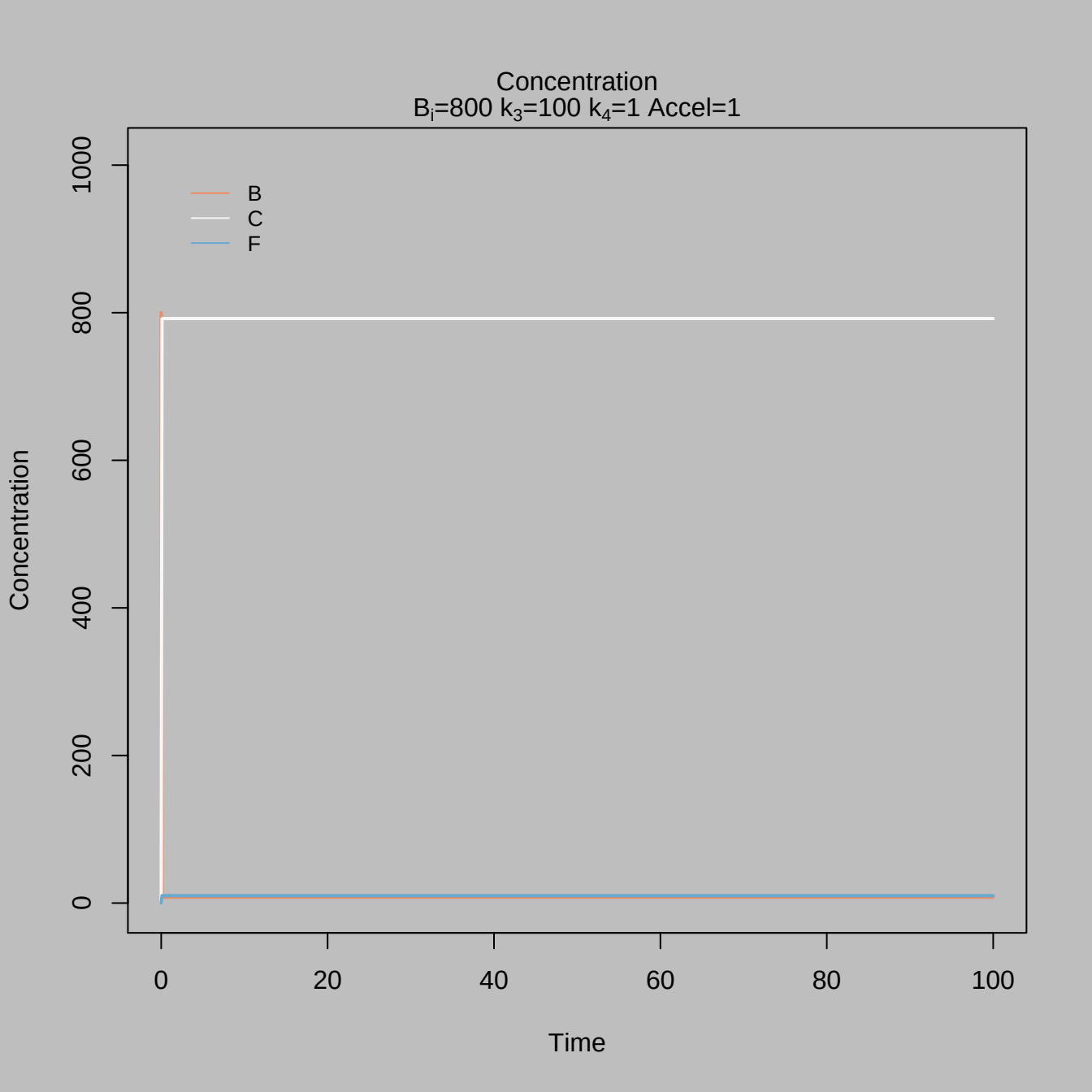
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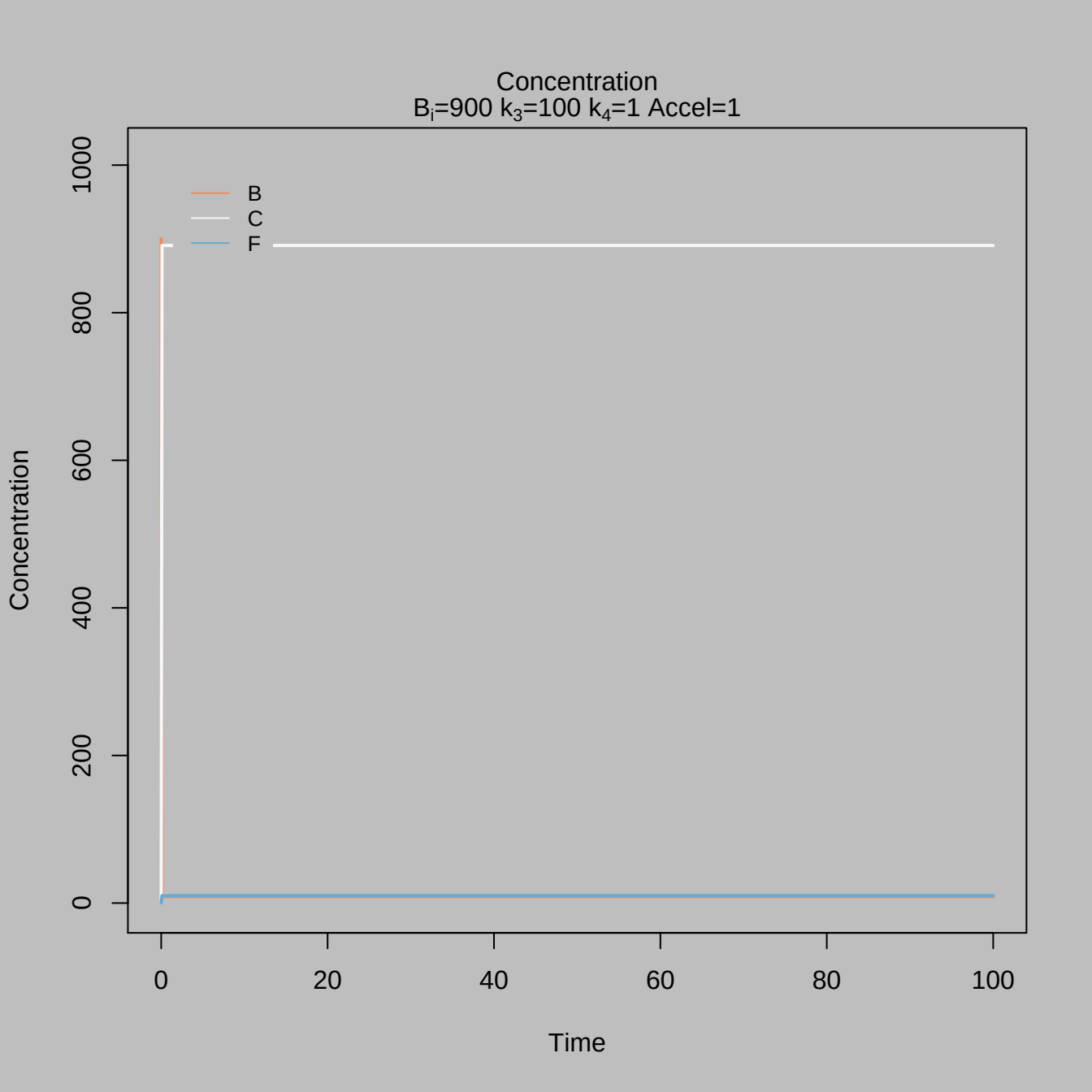
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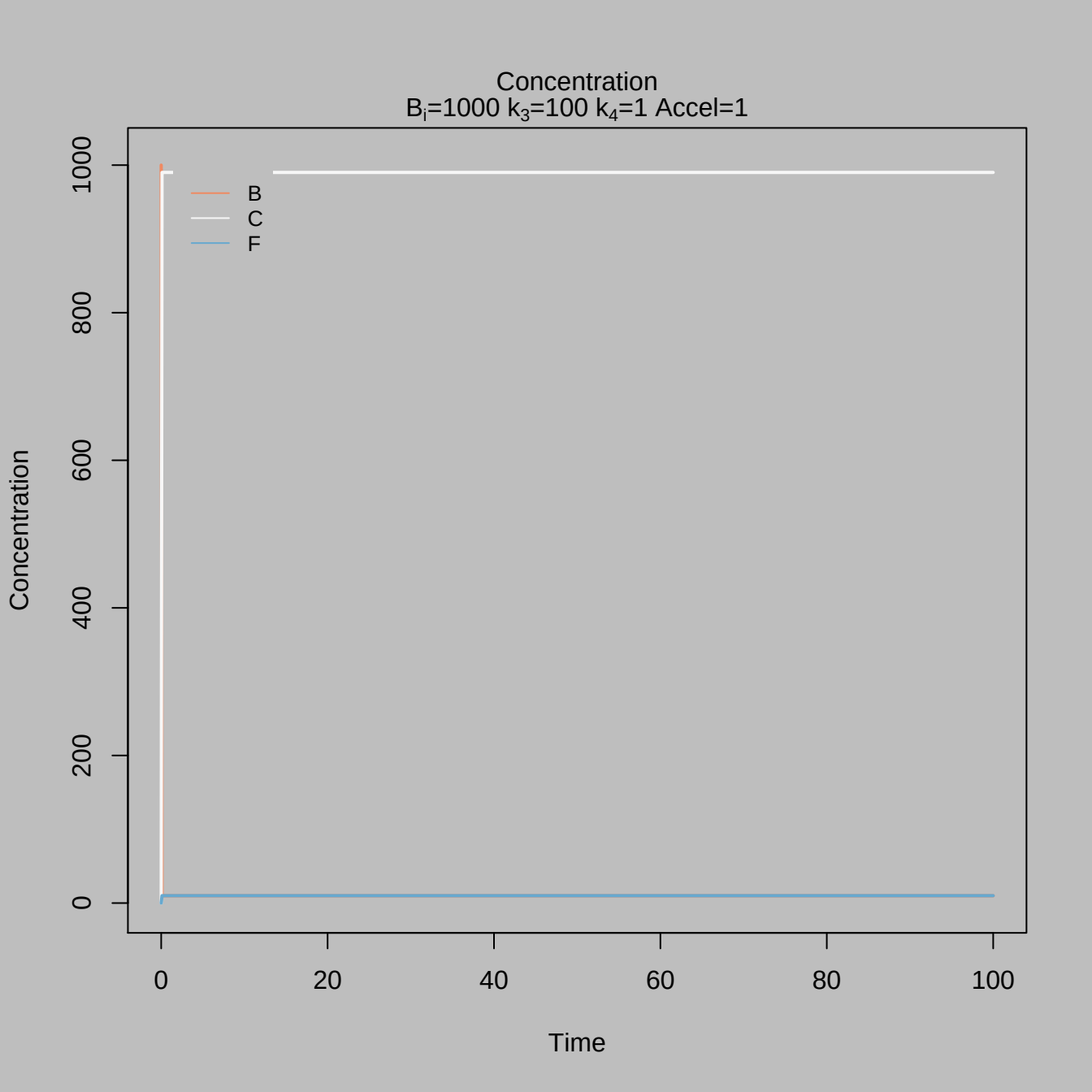
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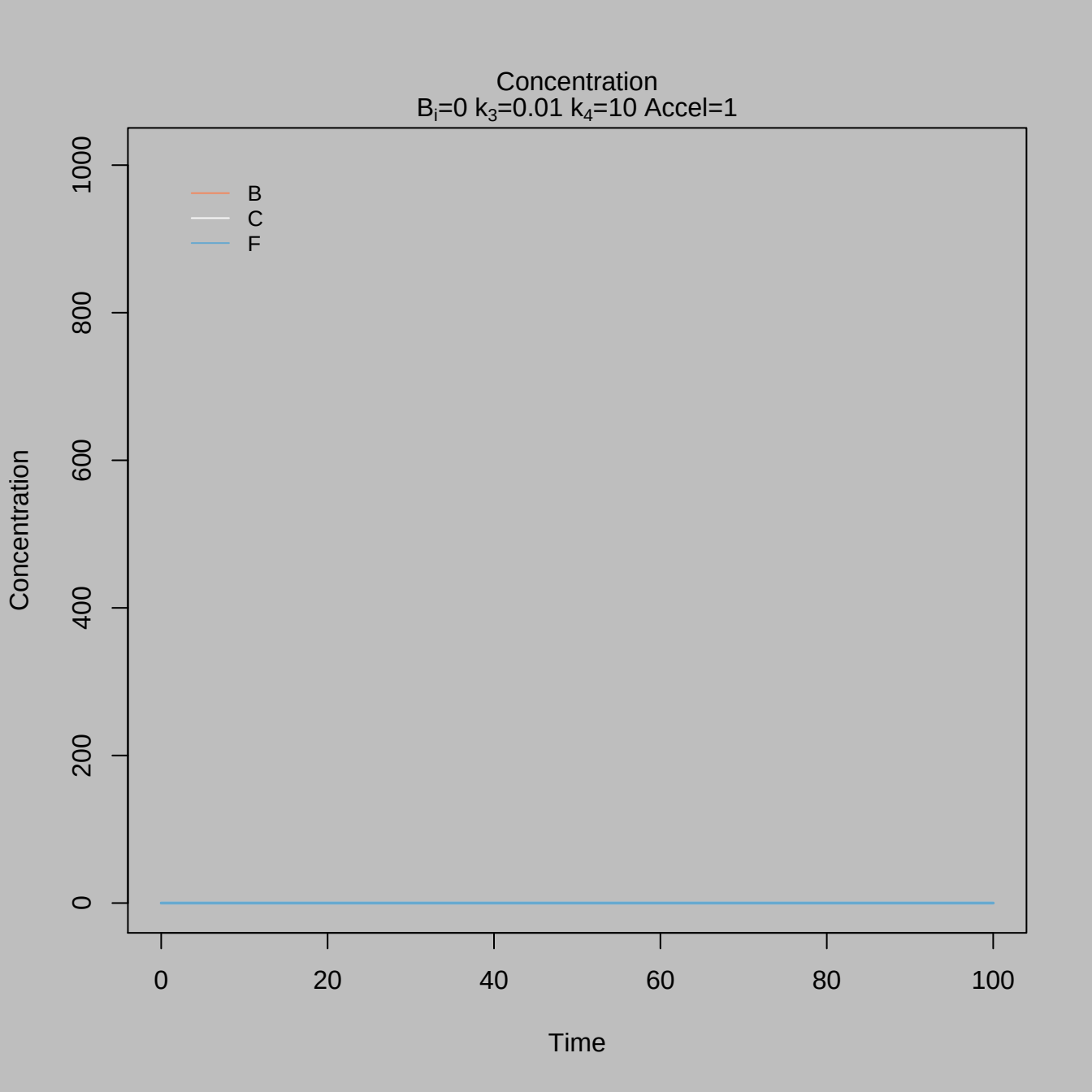
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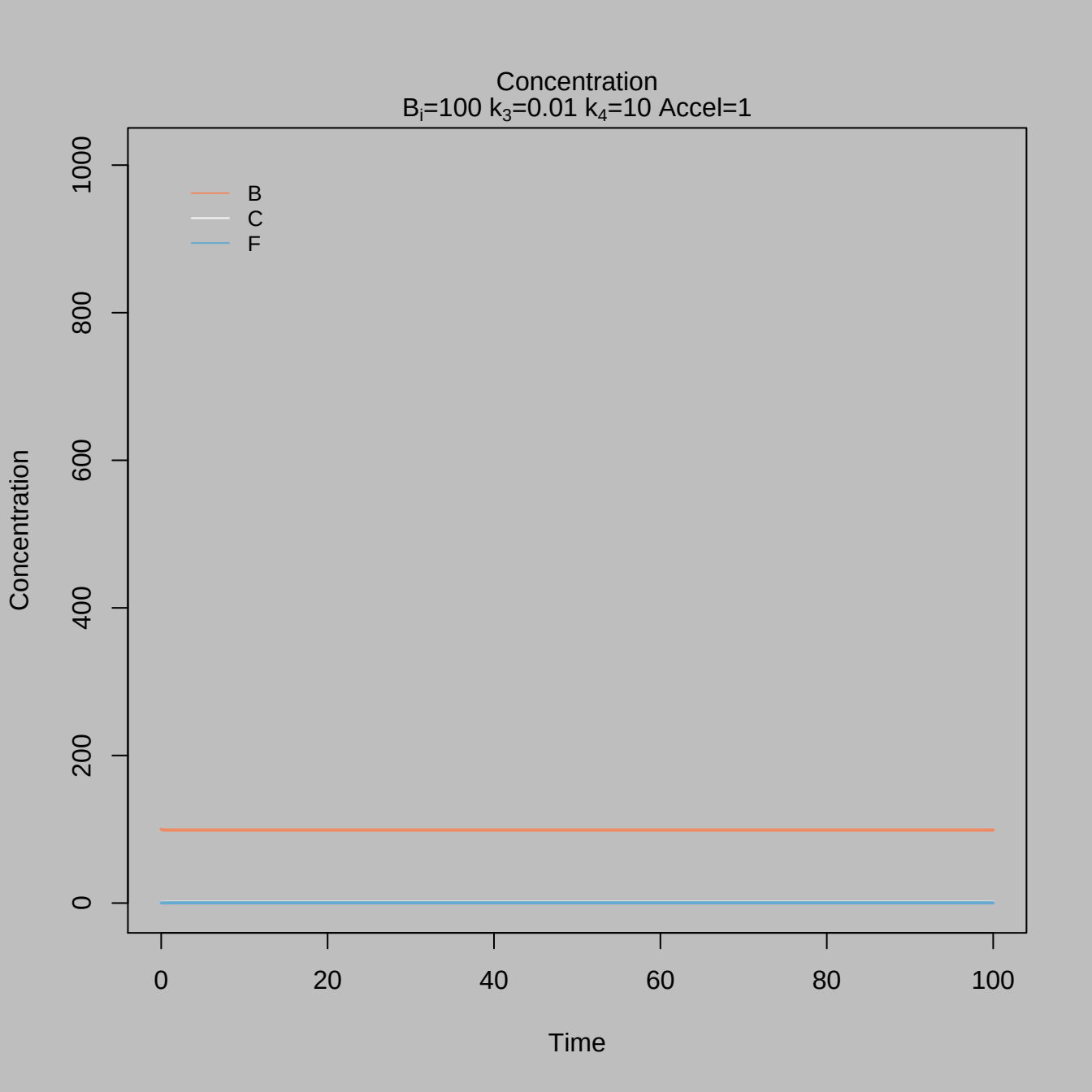
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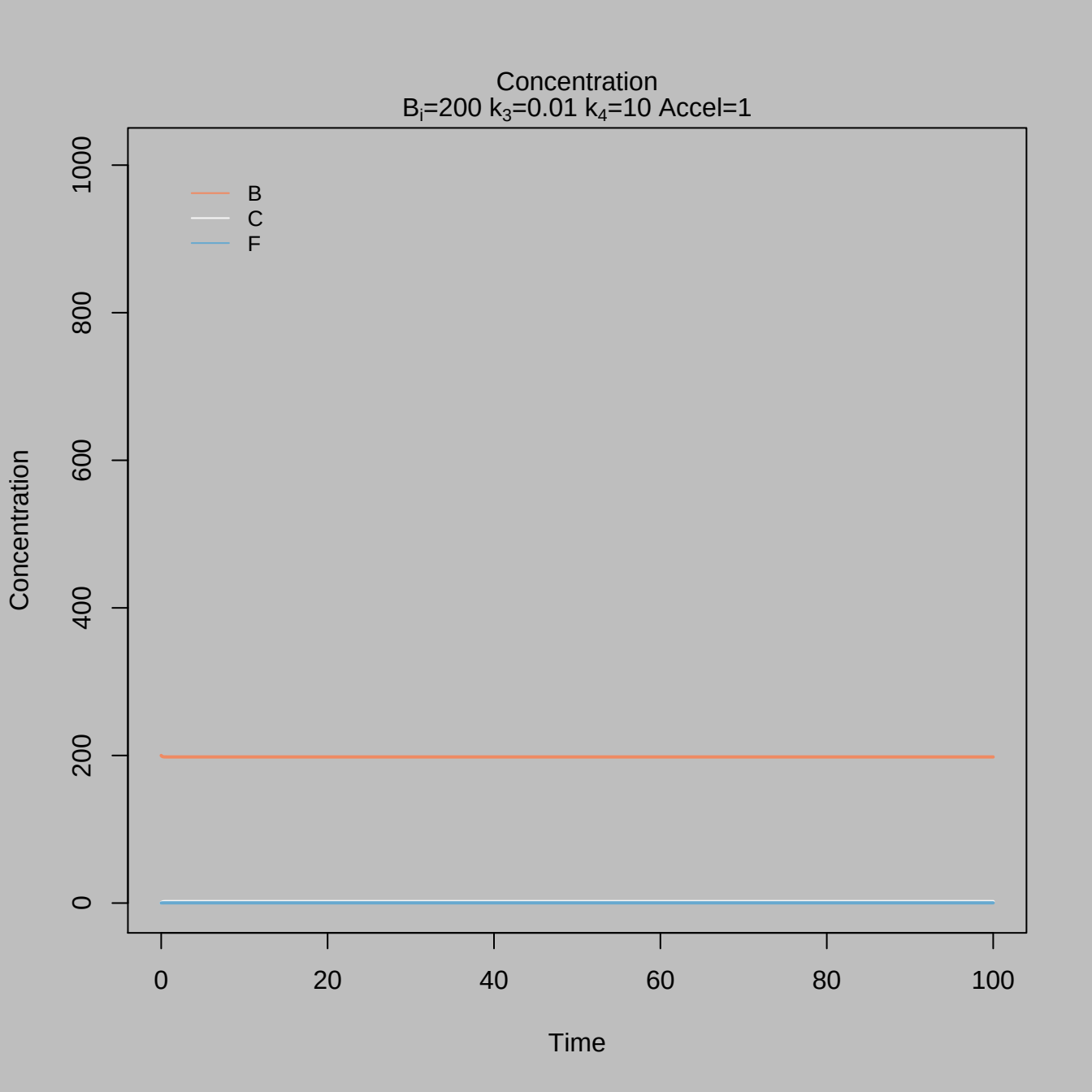
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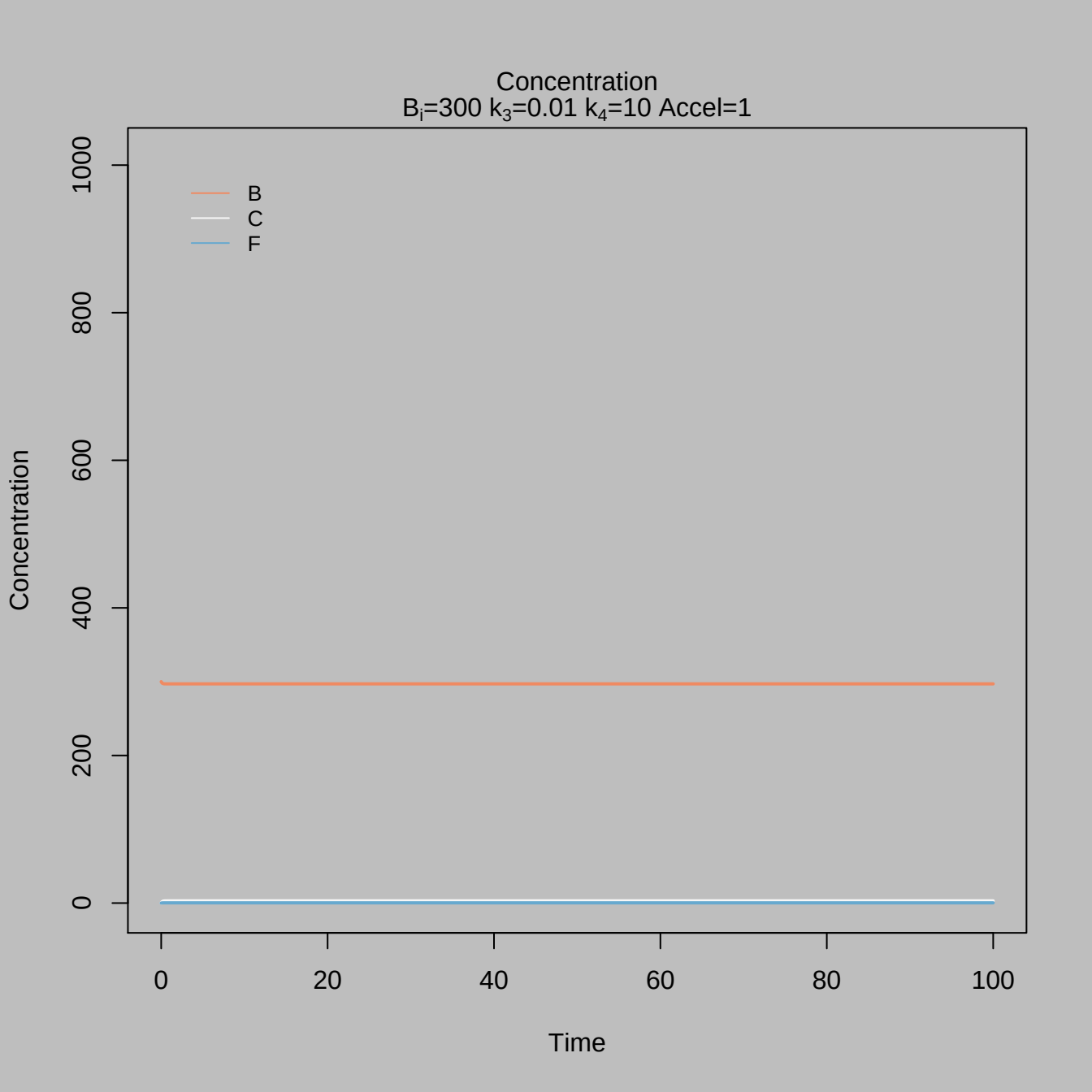
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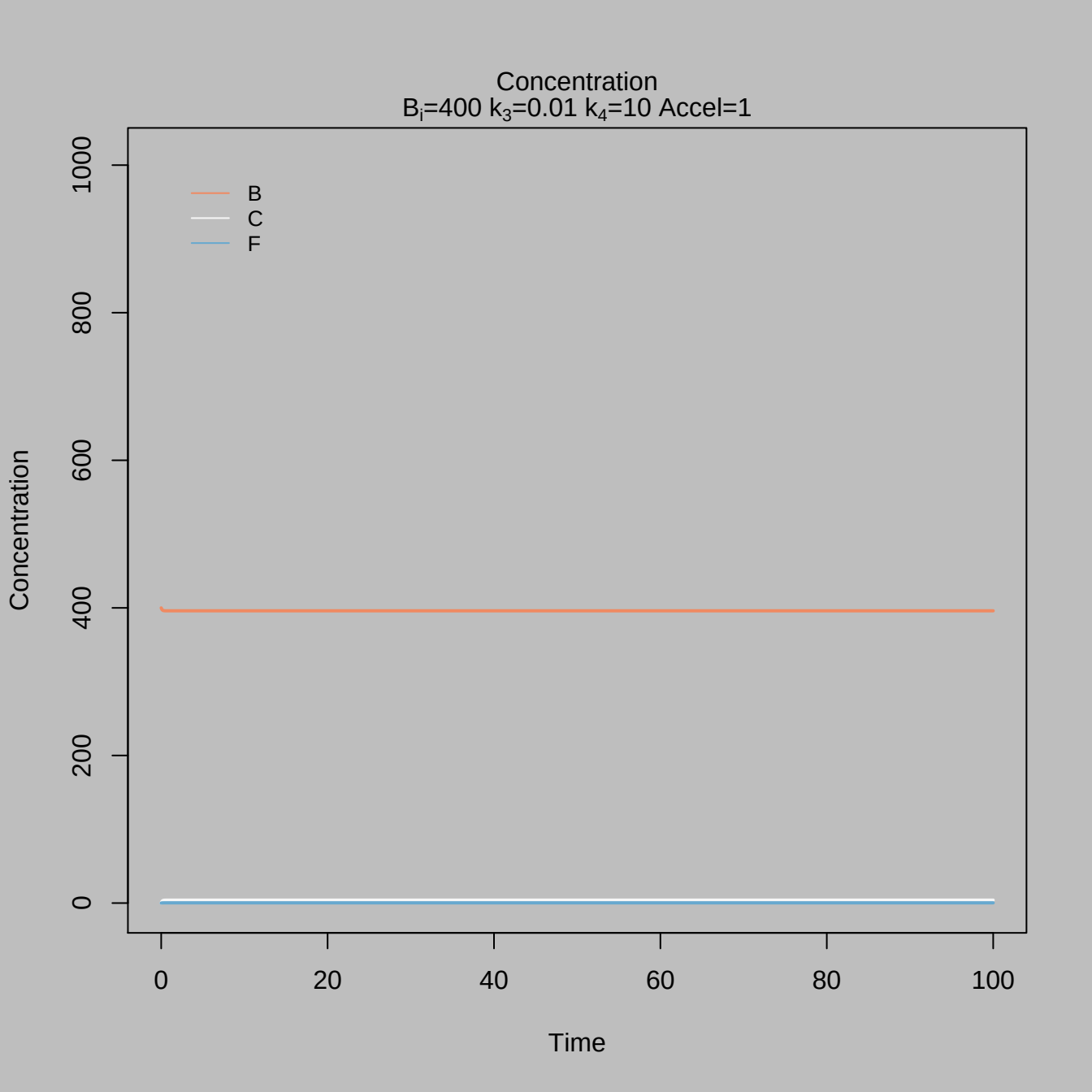
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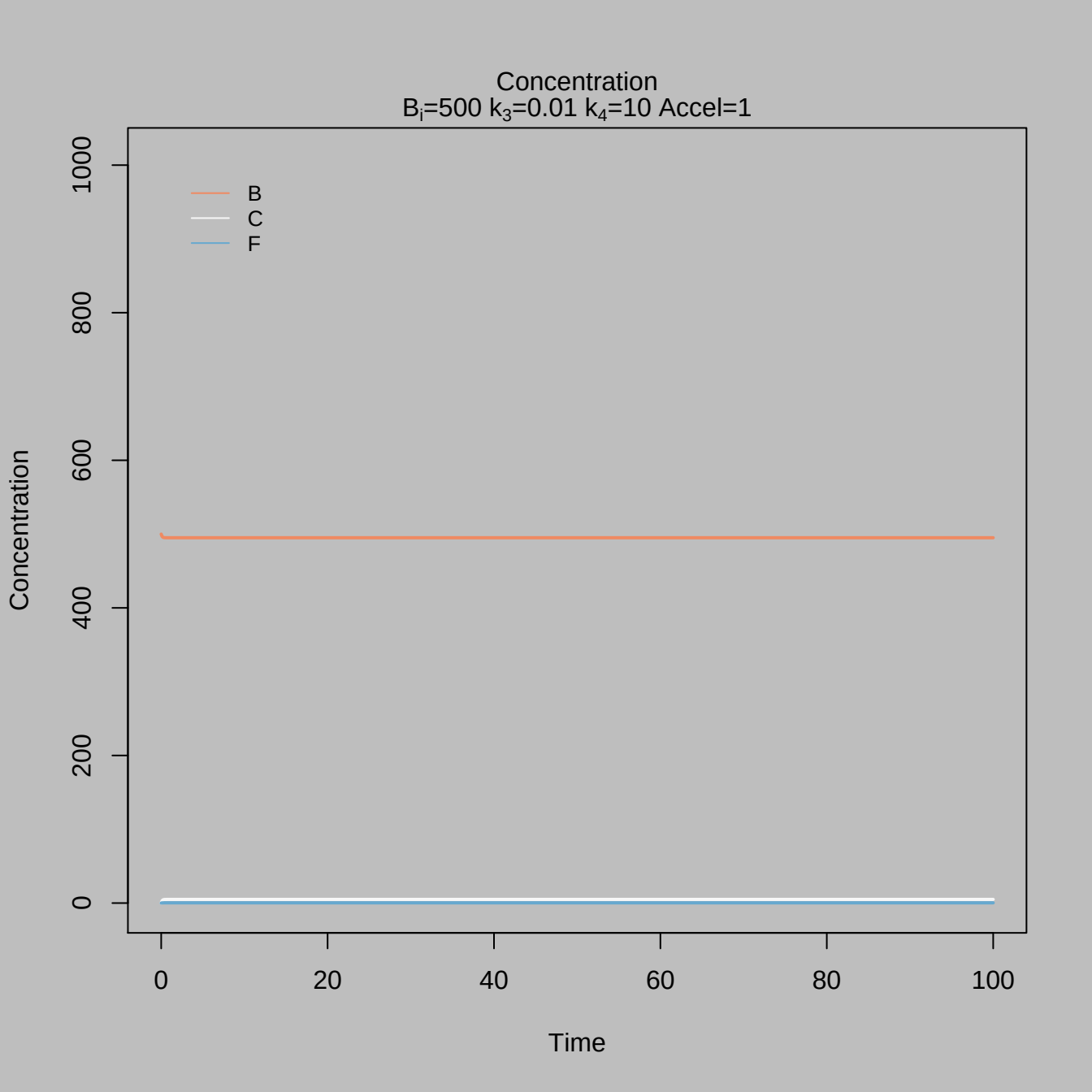
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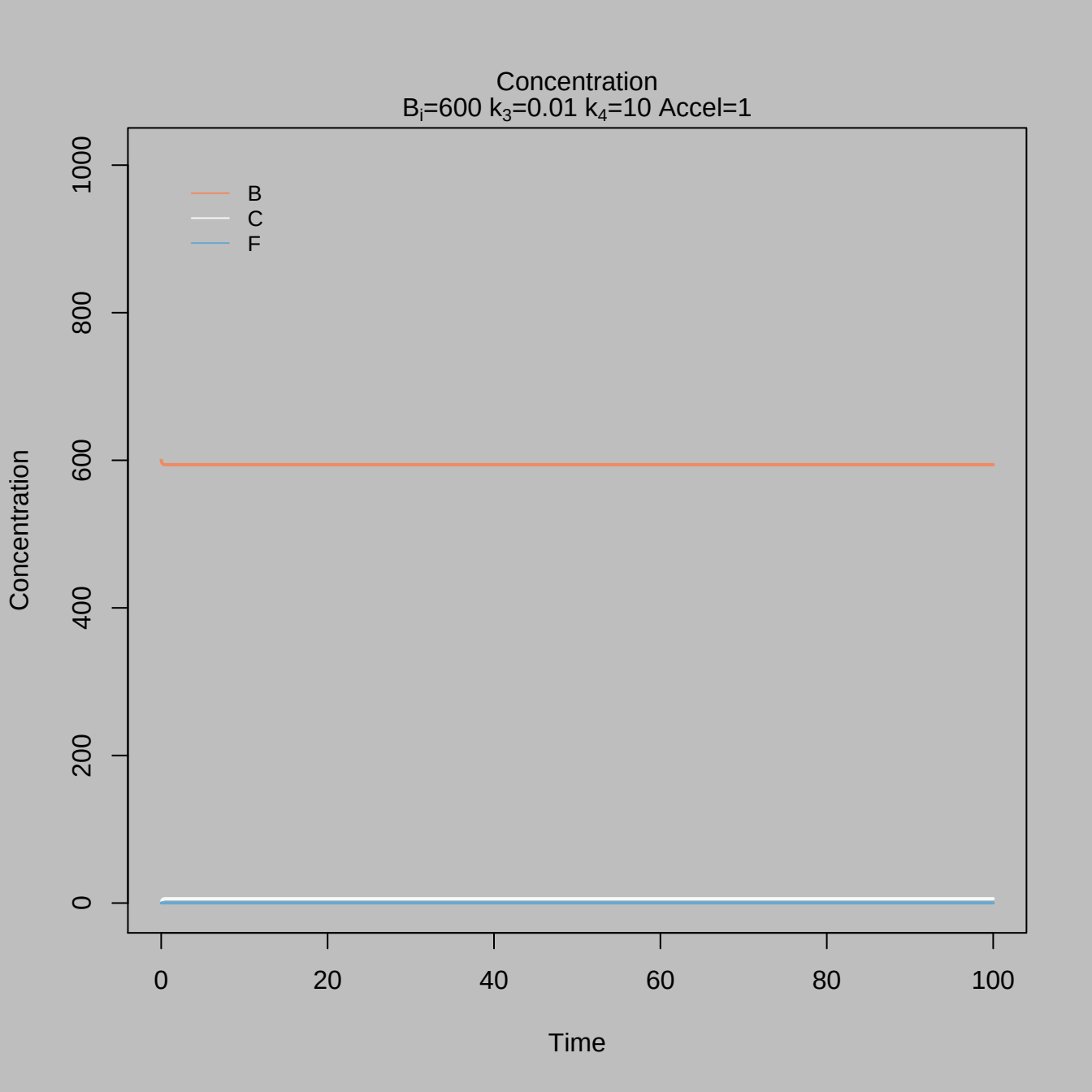
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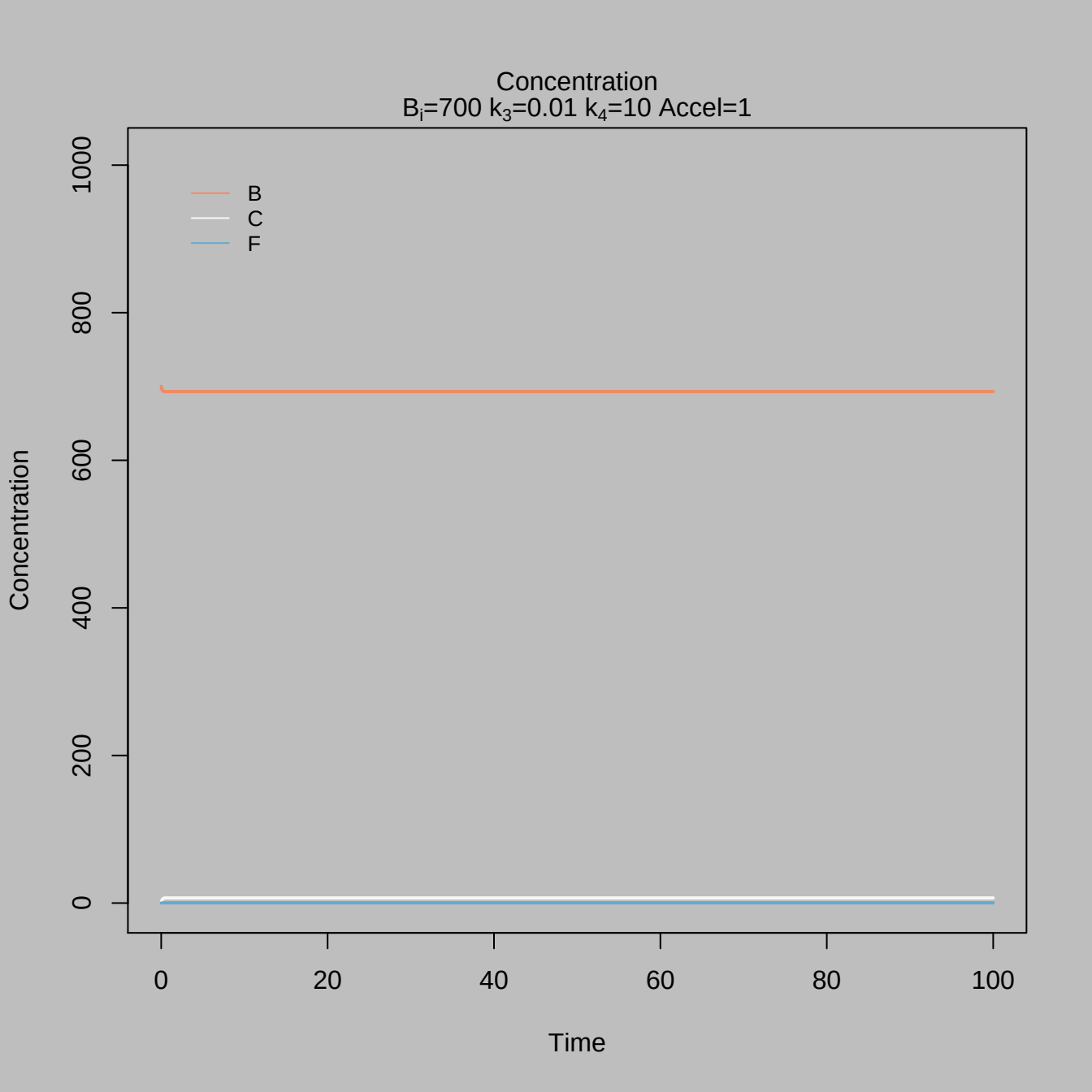
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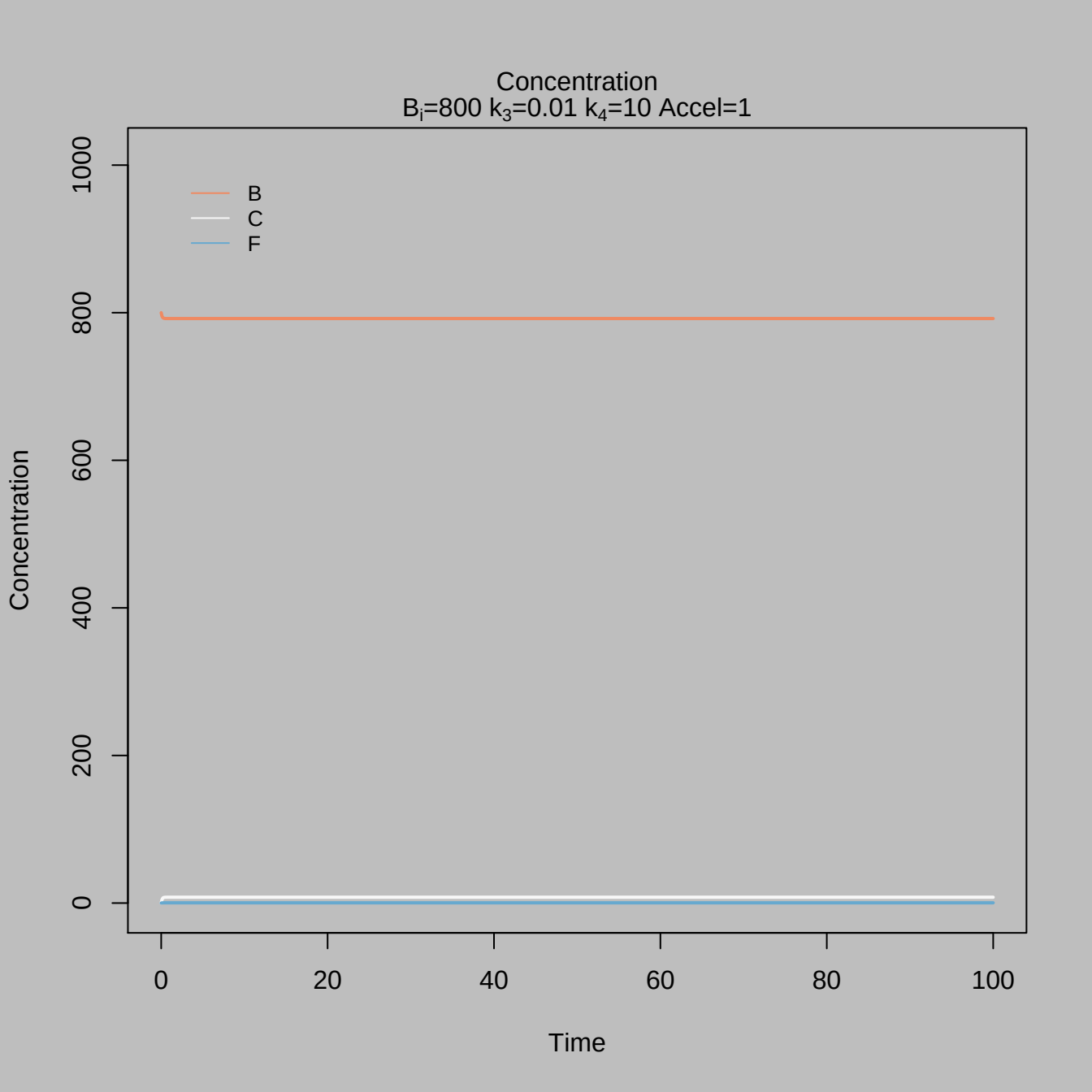
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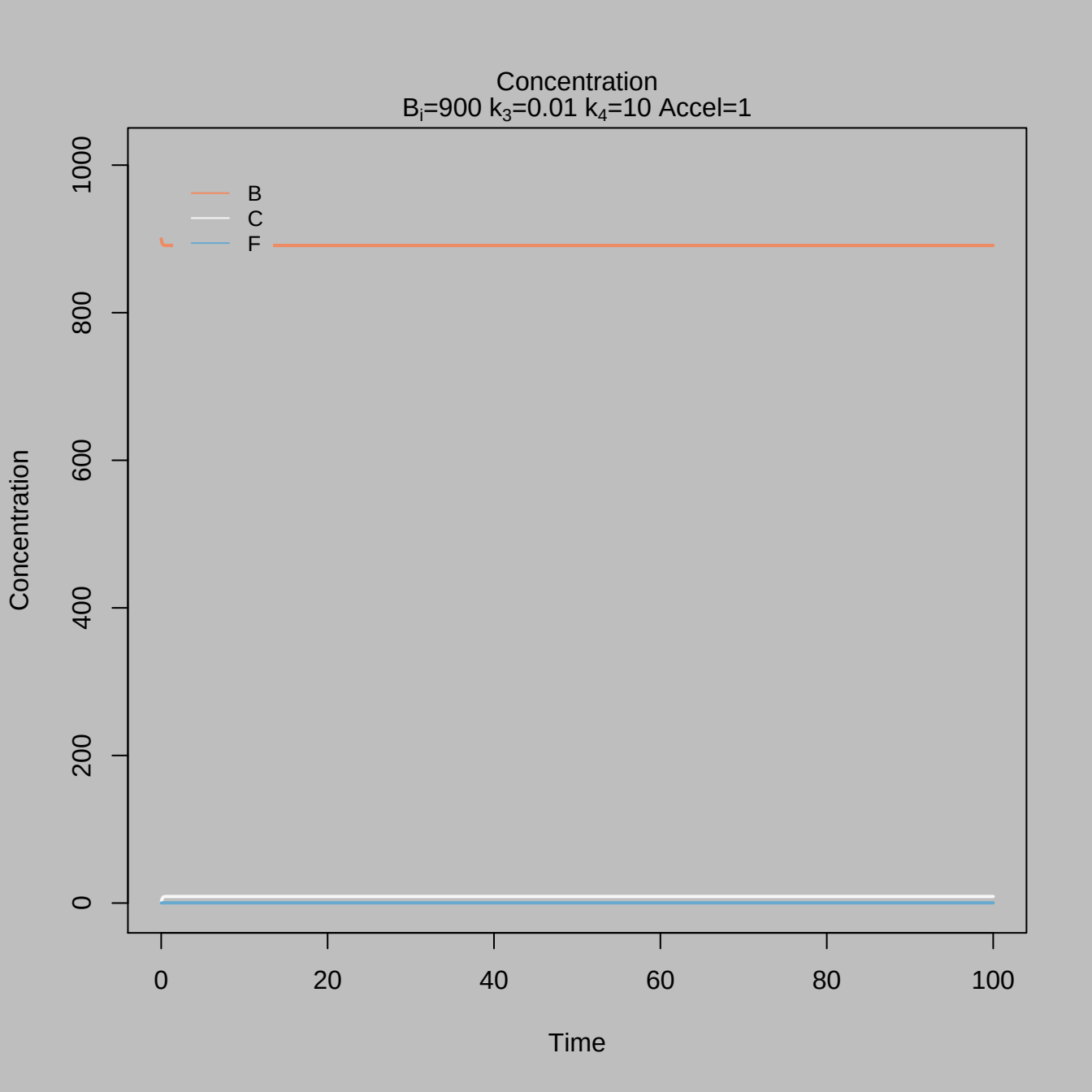
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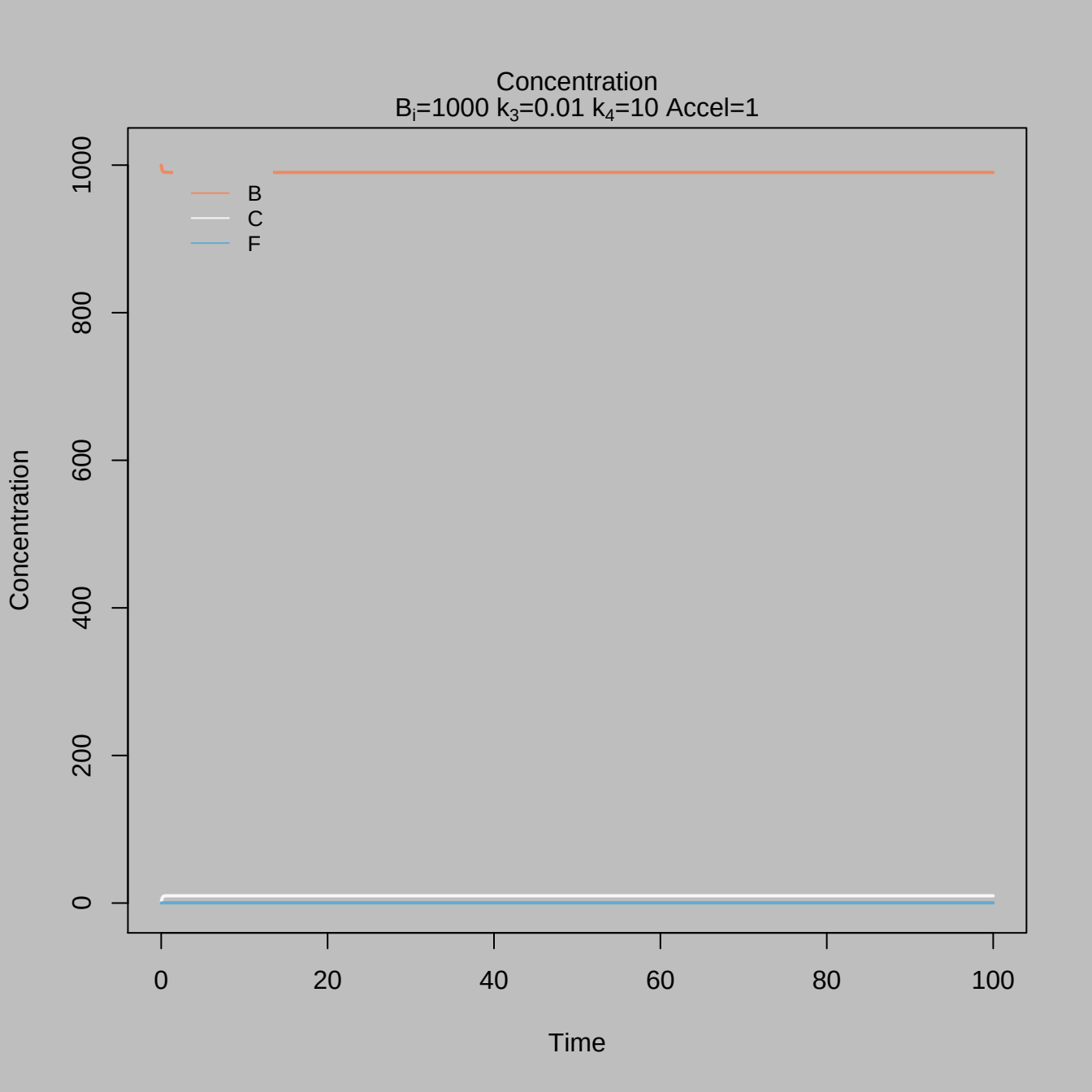
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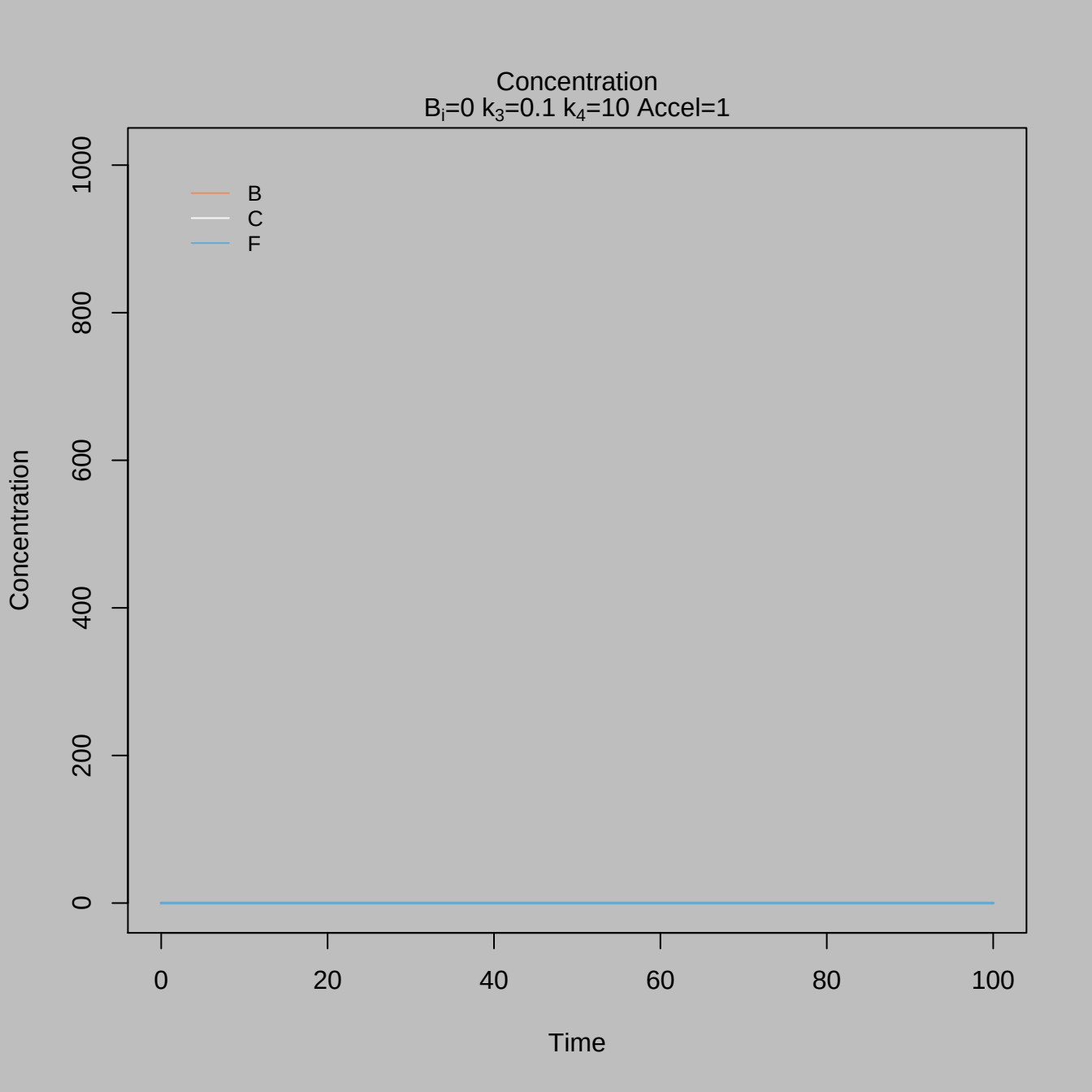
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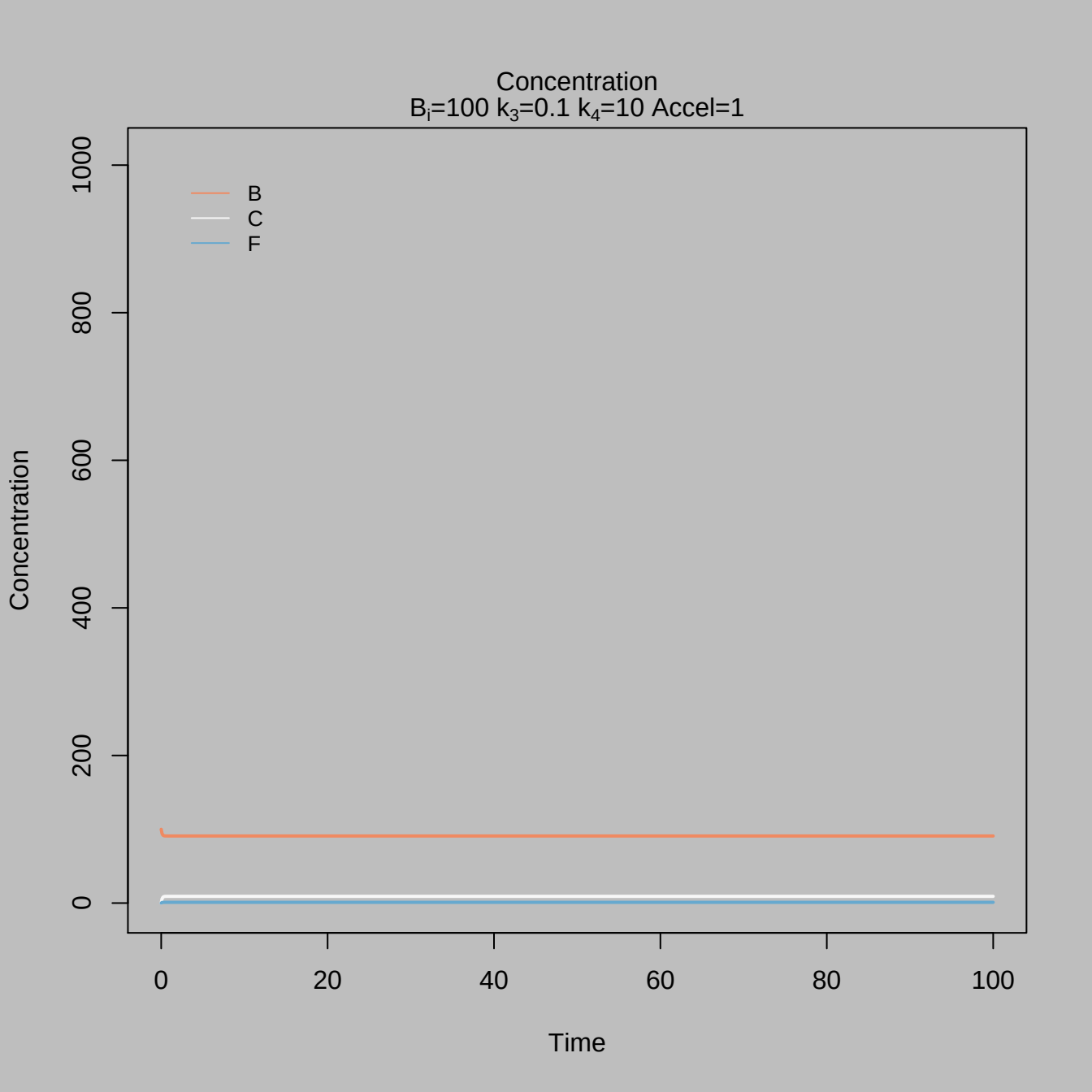
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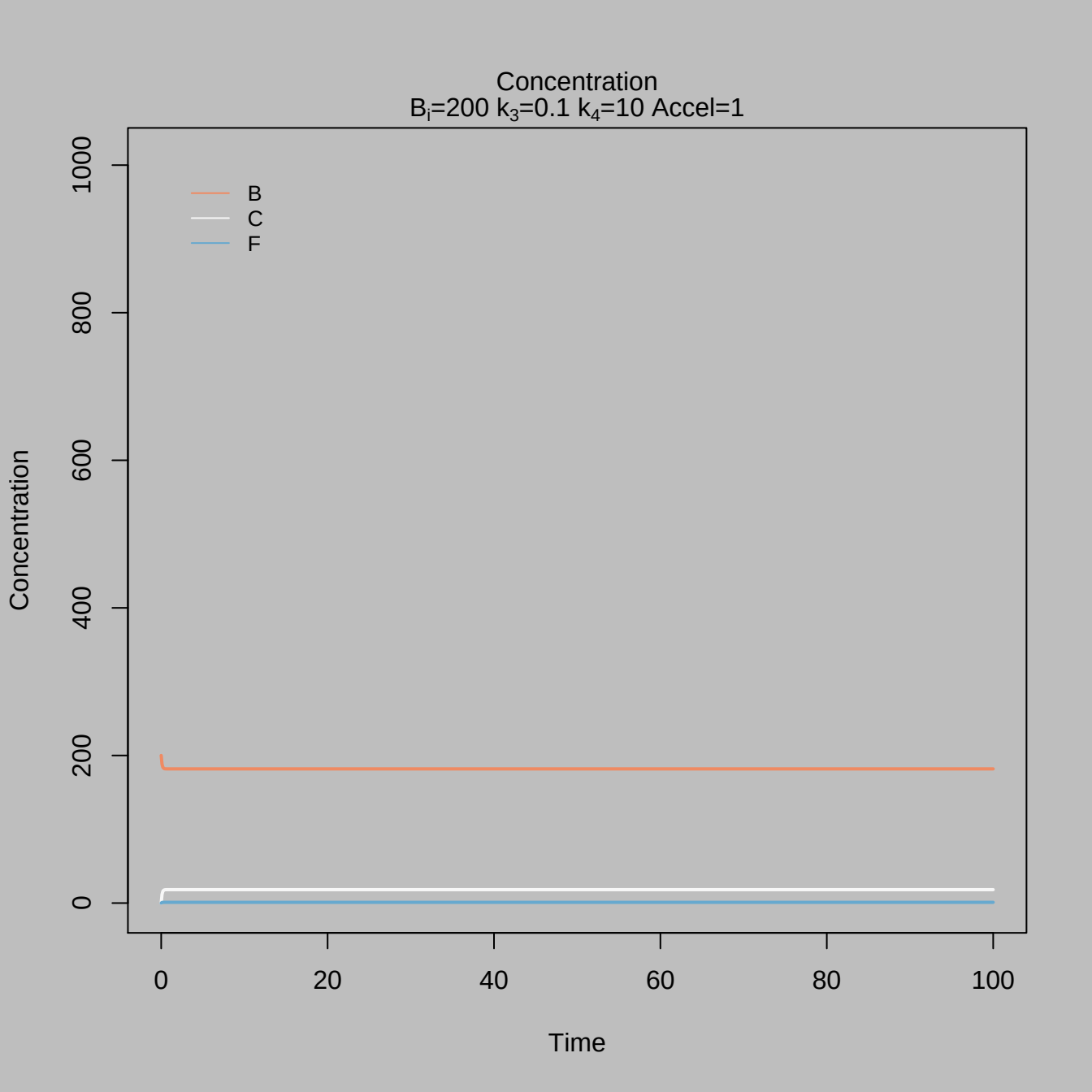
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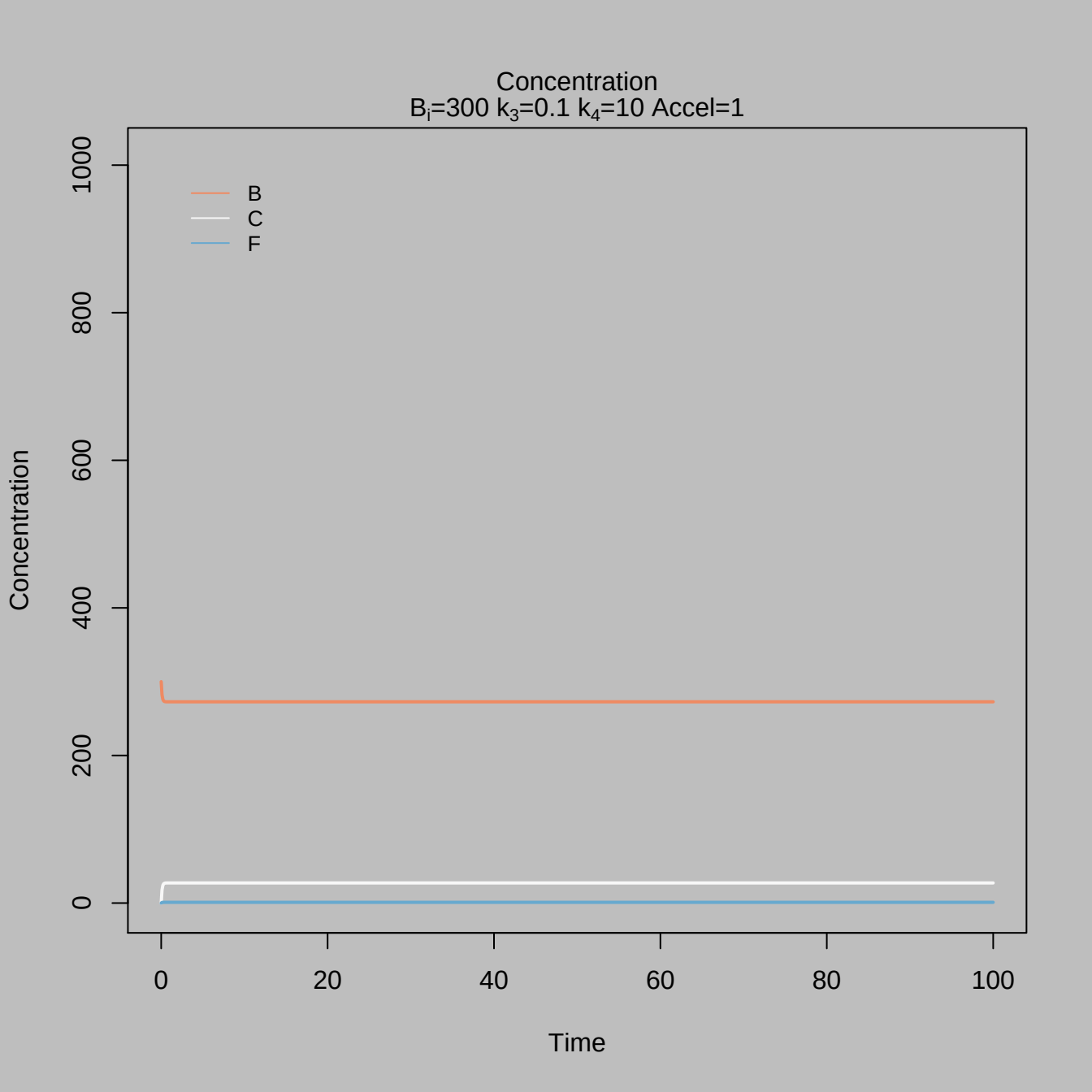
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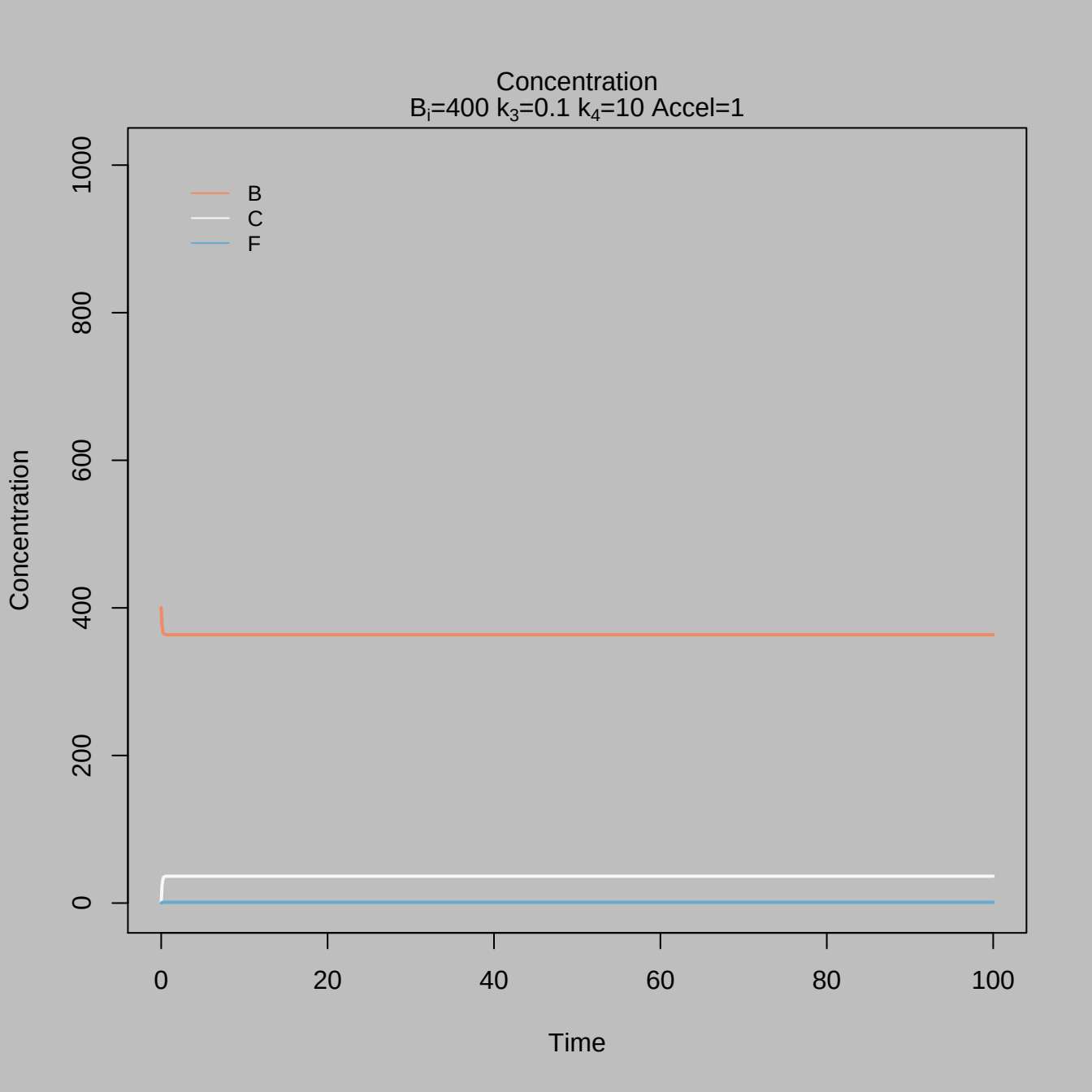
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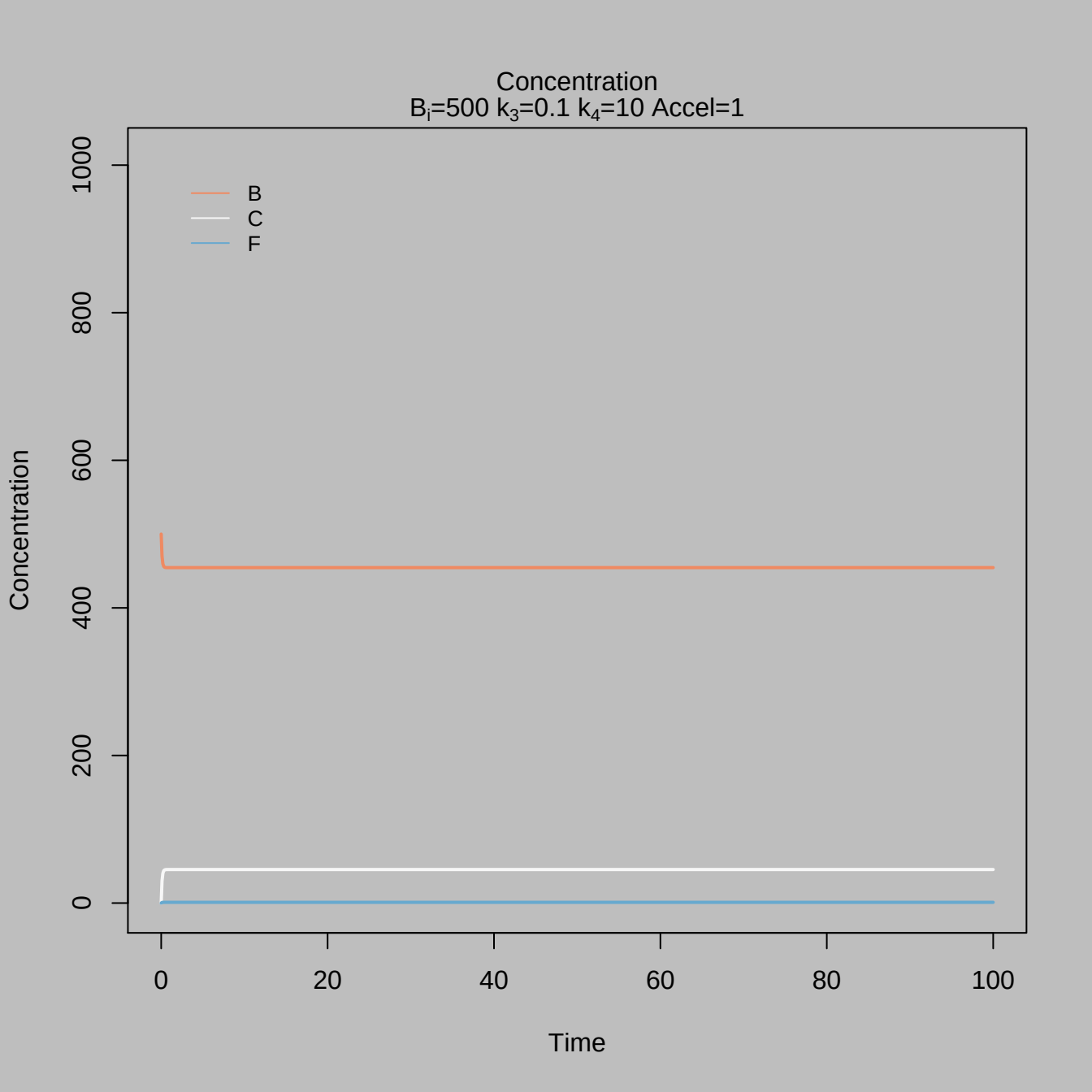
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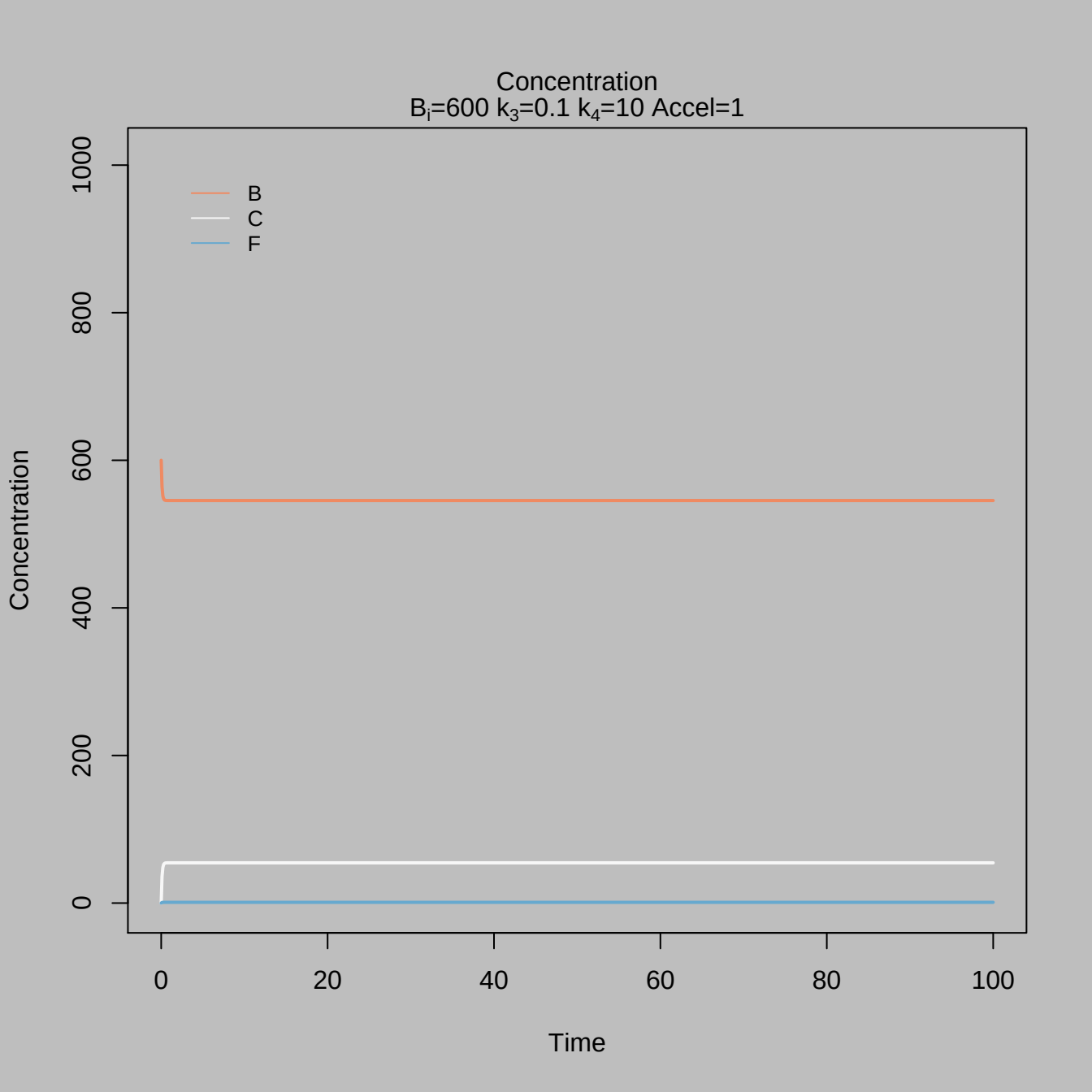
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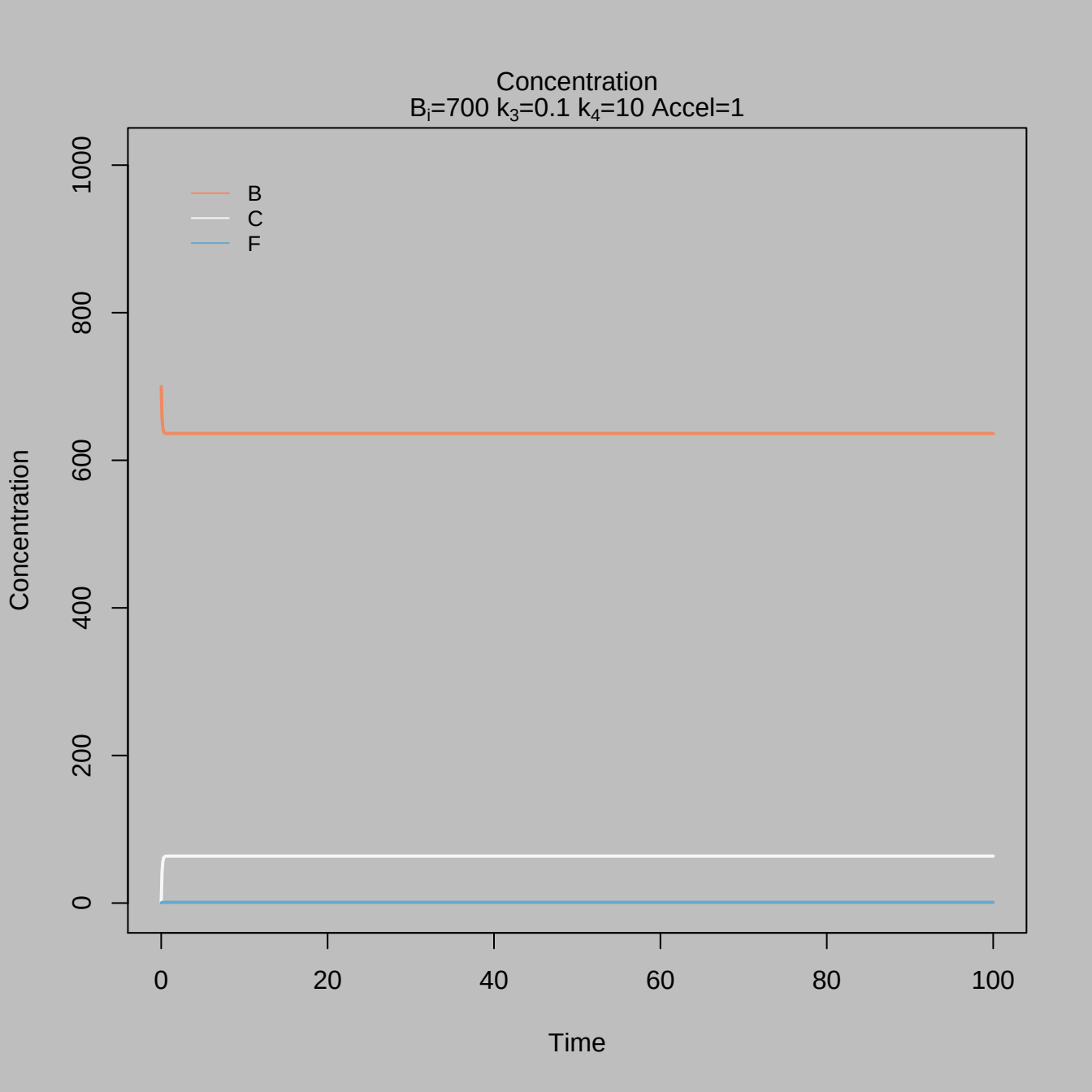
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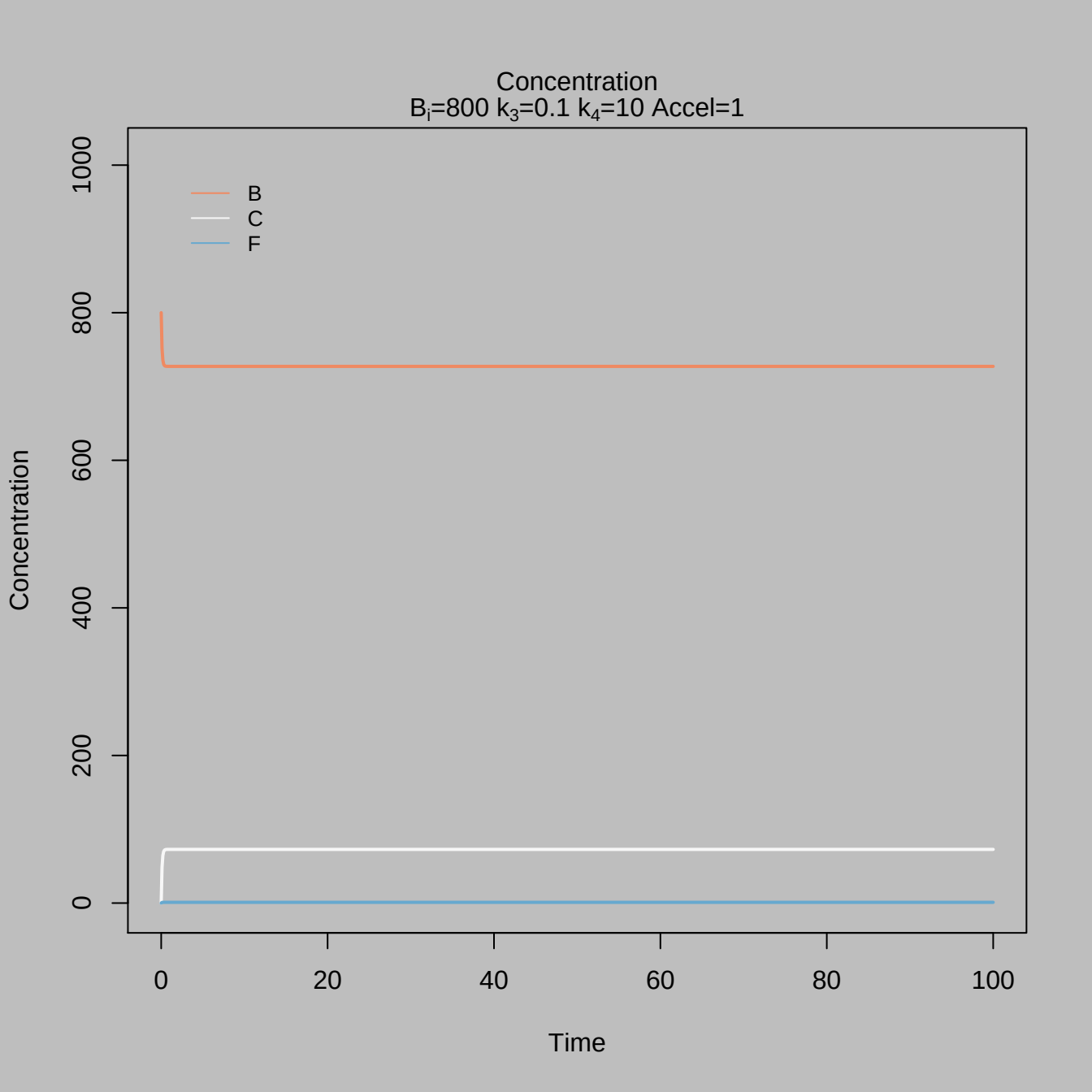
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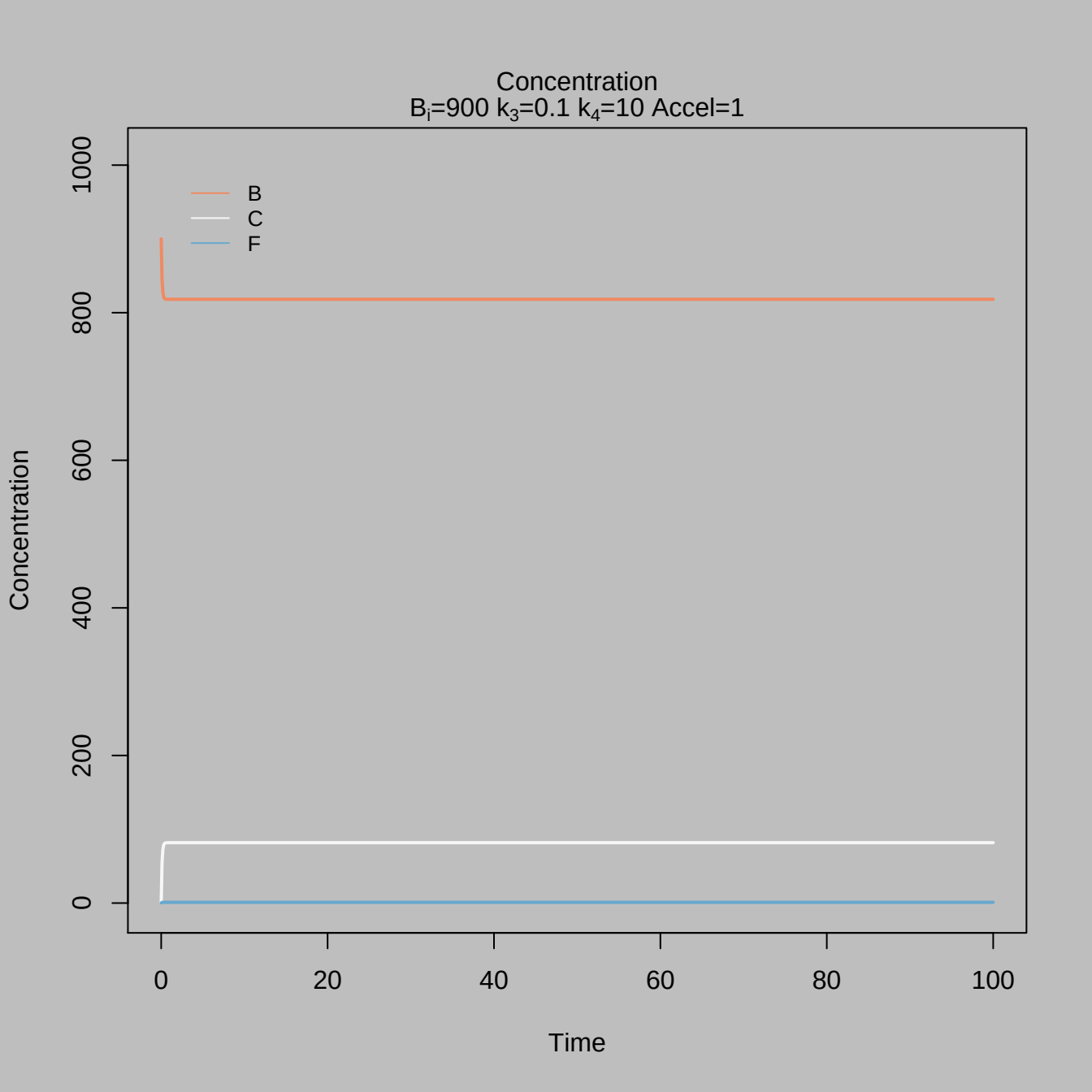
Time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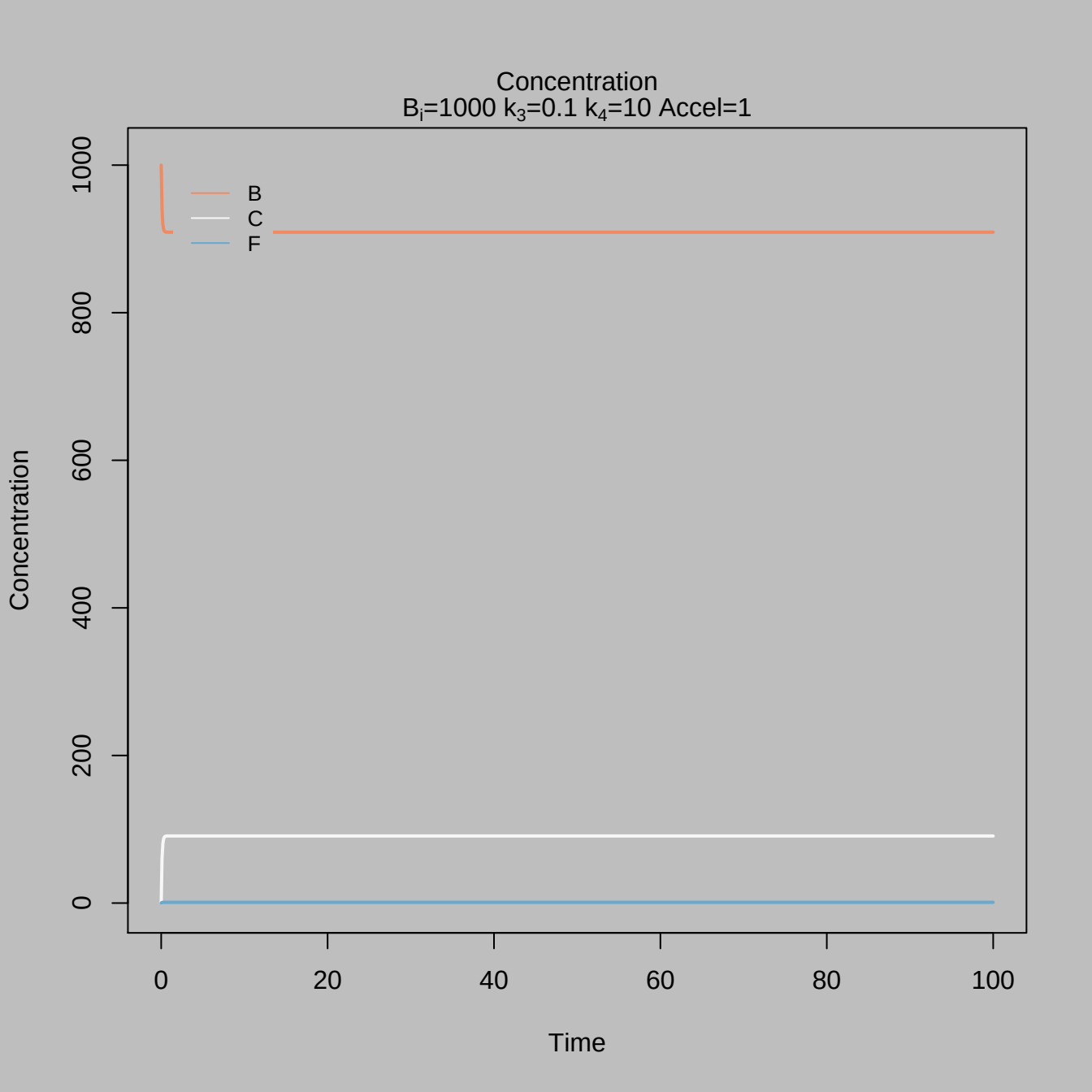
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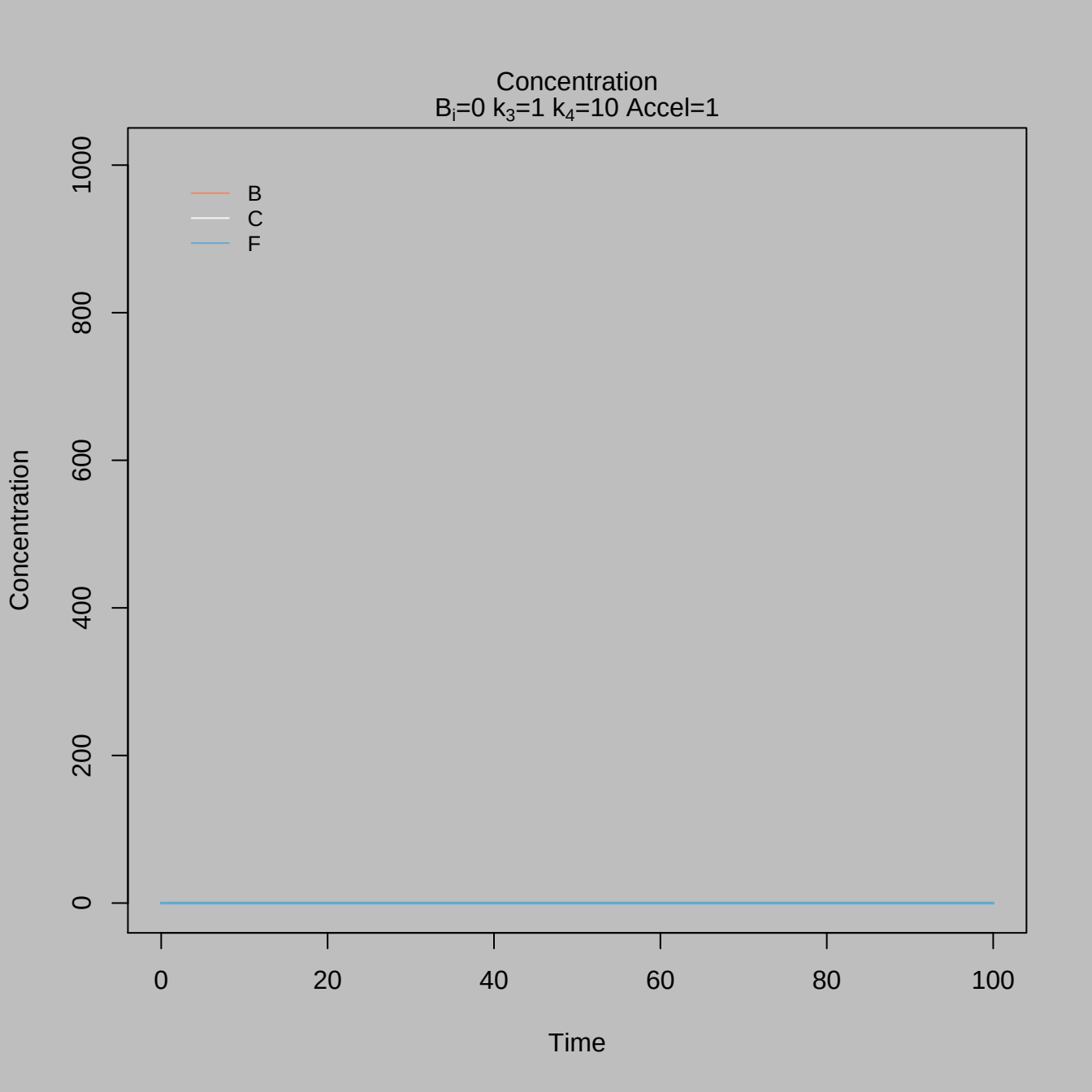
Concentration
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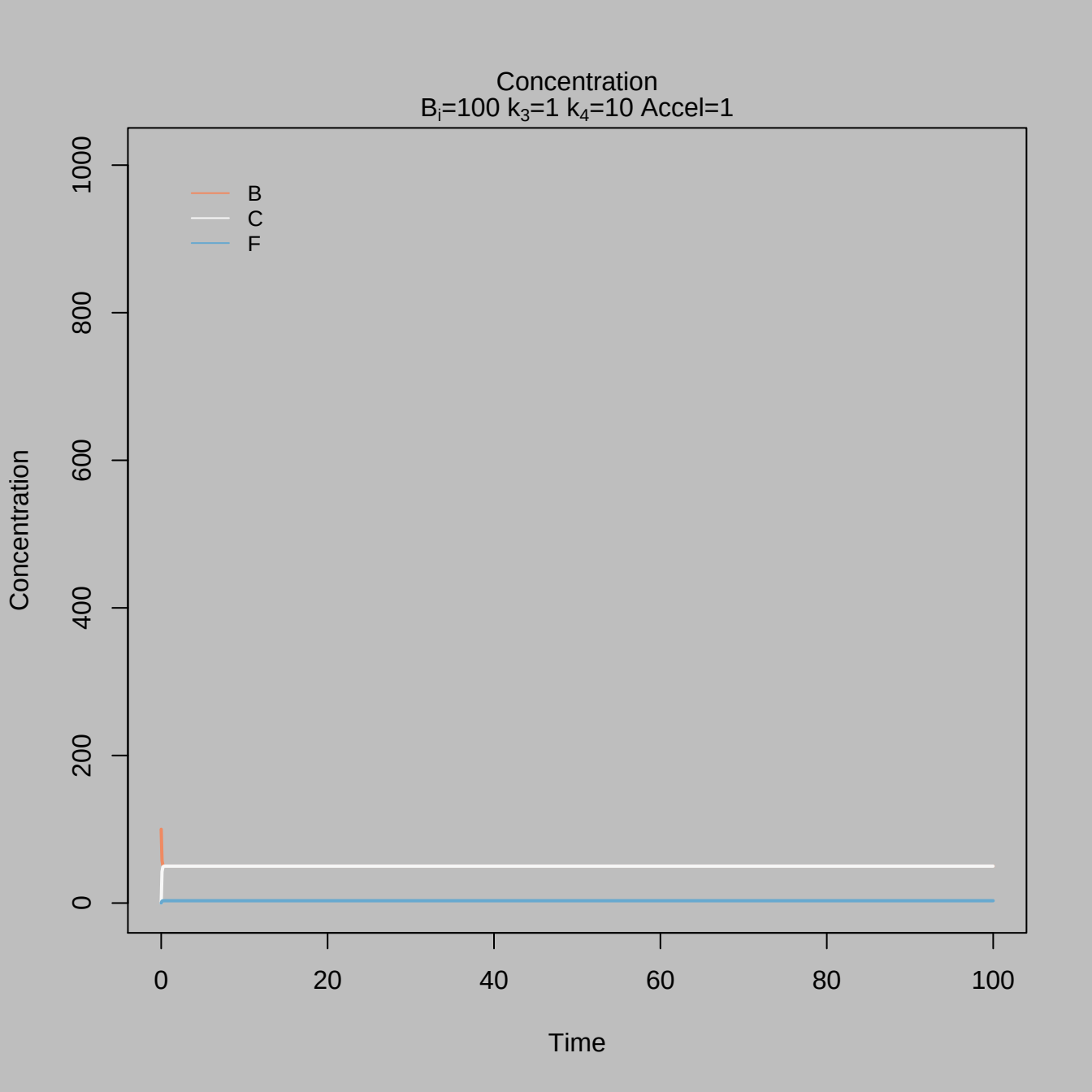
Time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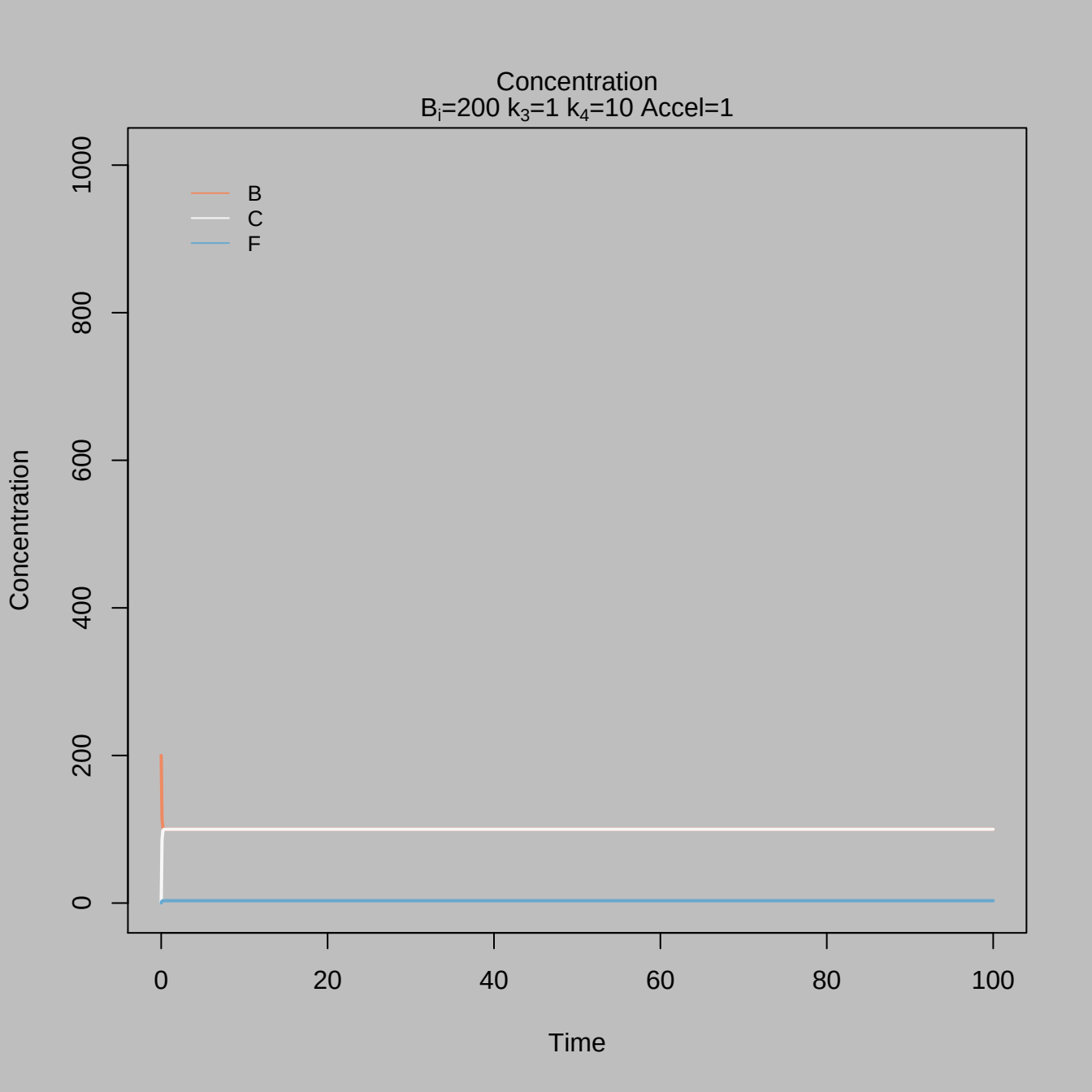
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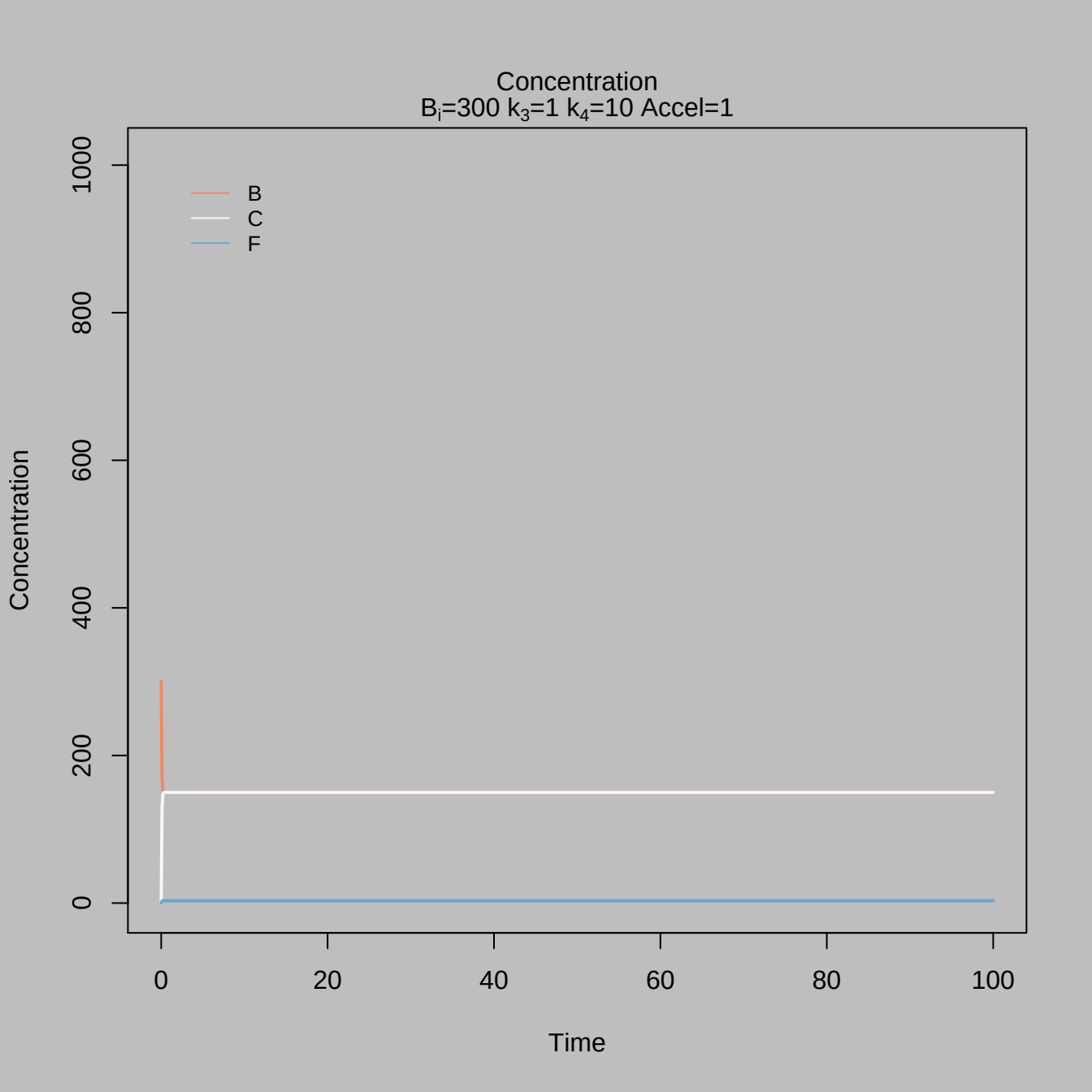
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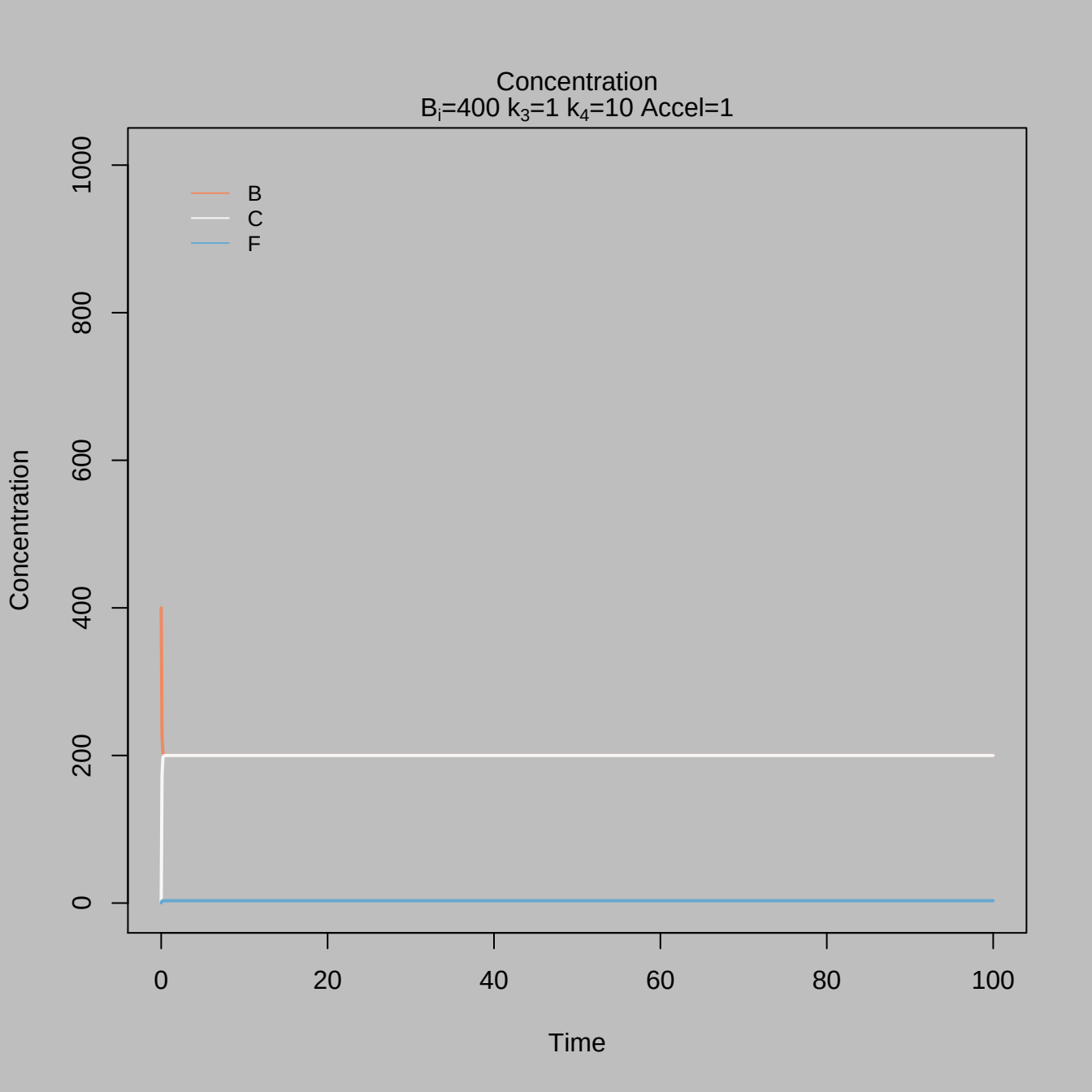
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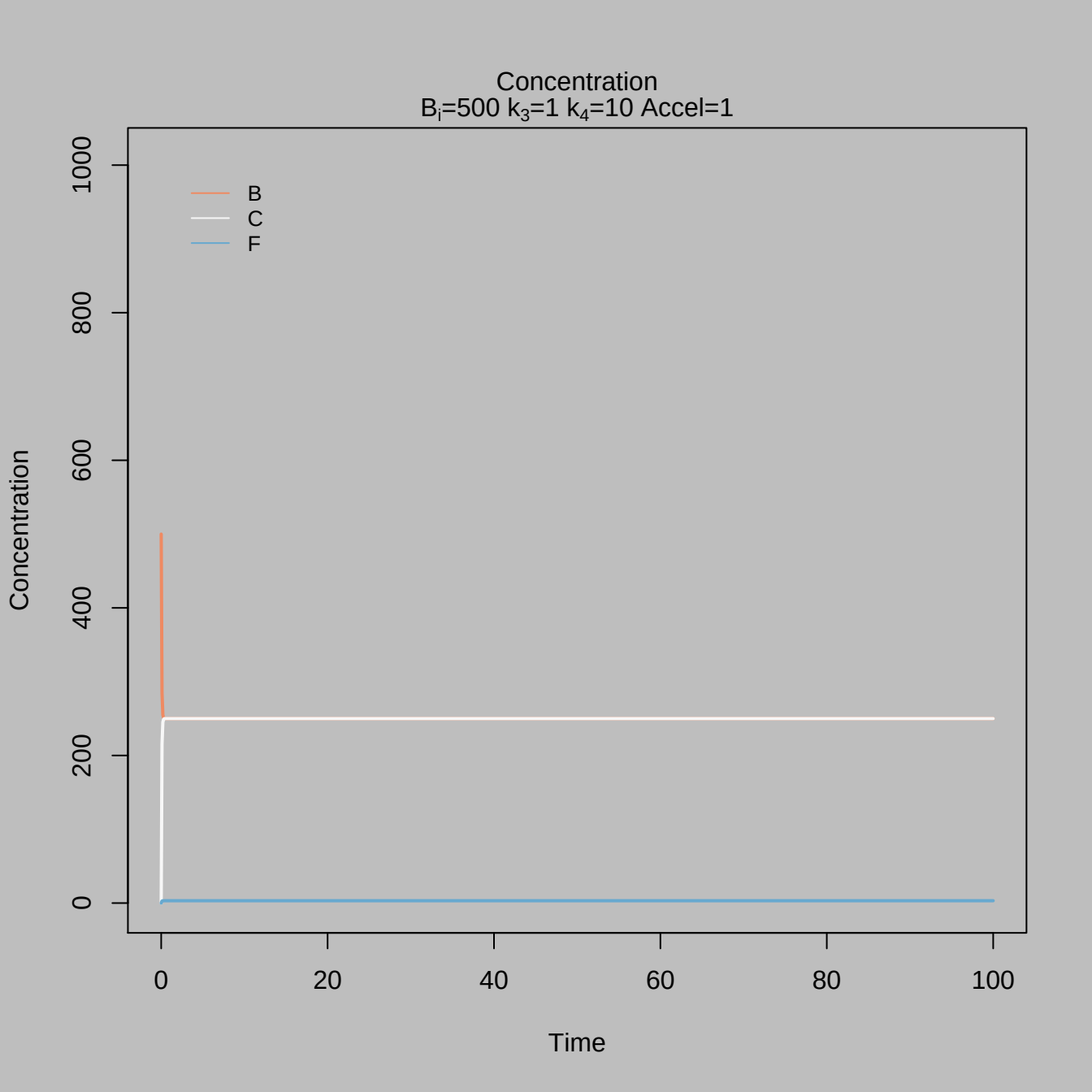
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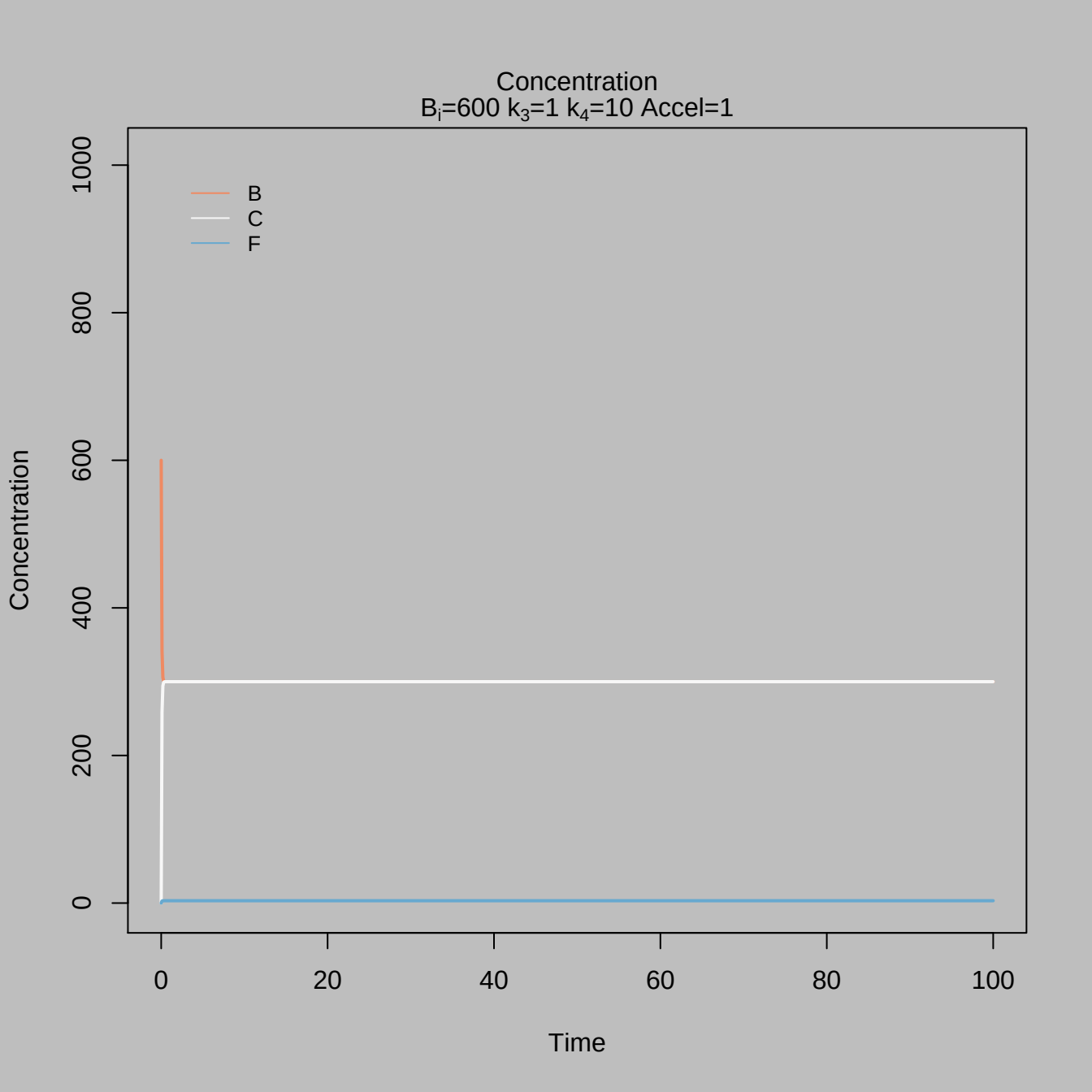
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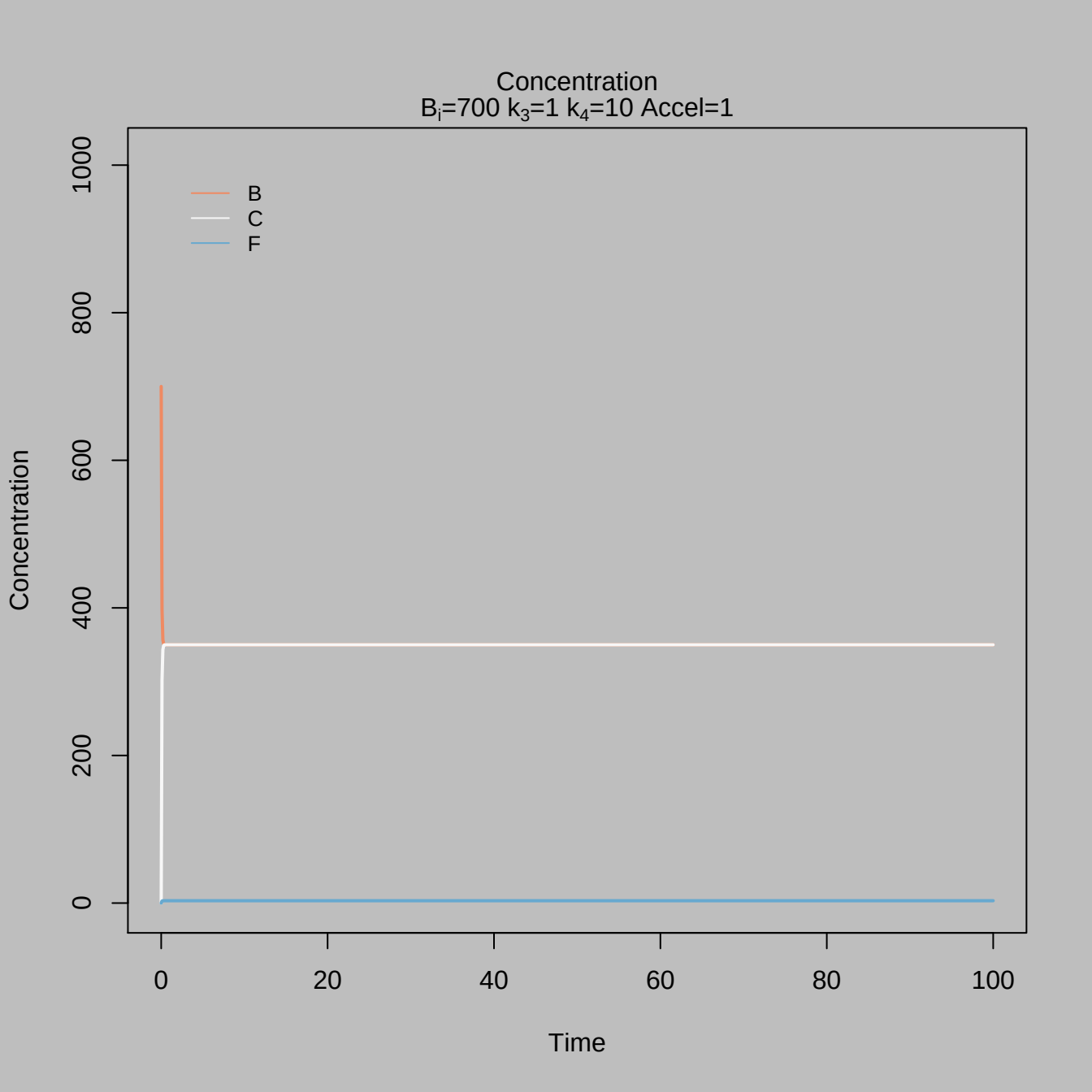
Concentration
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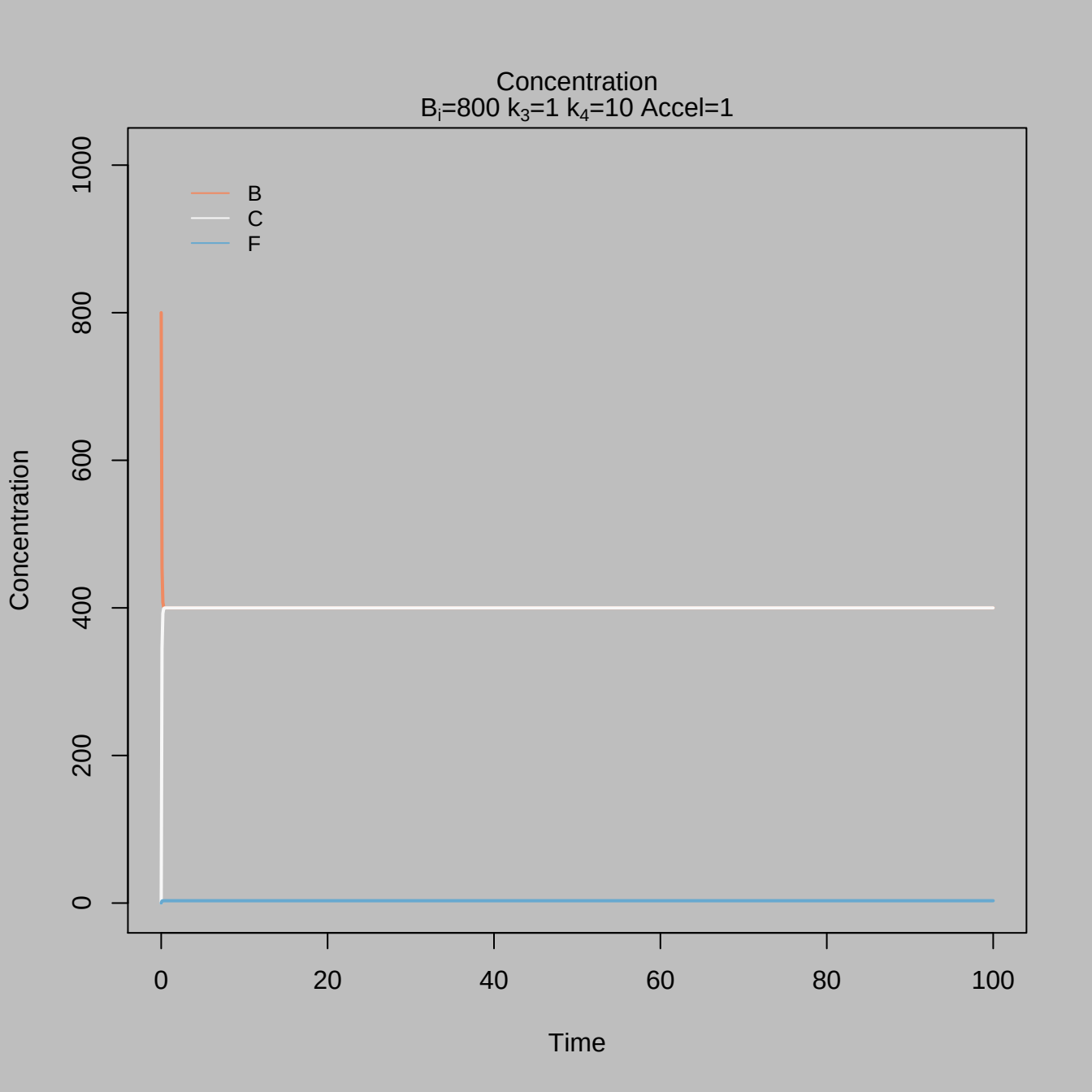
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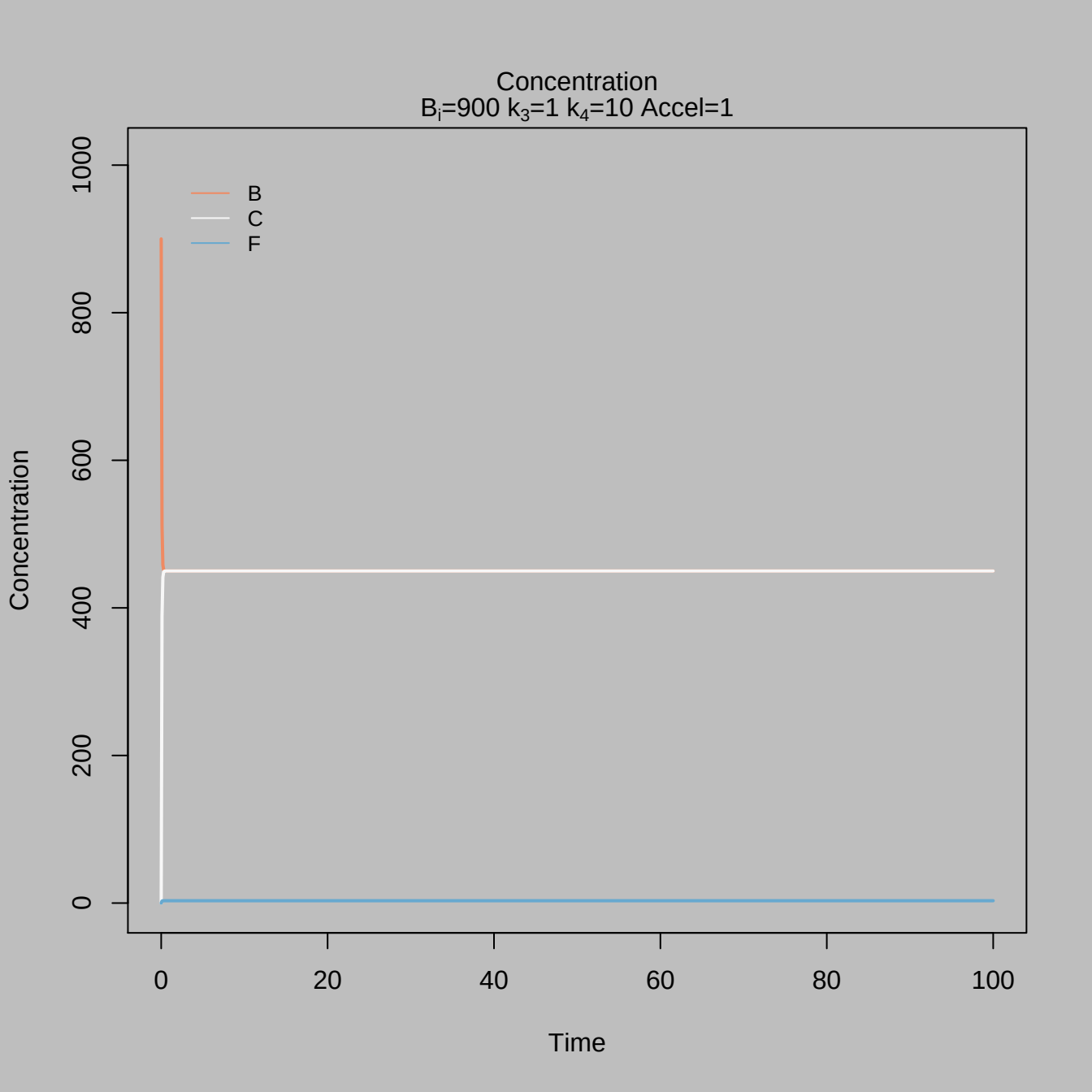
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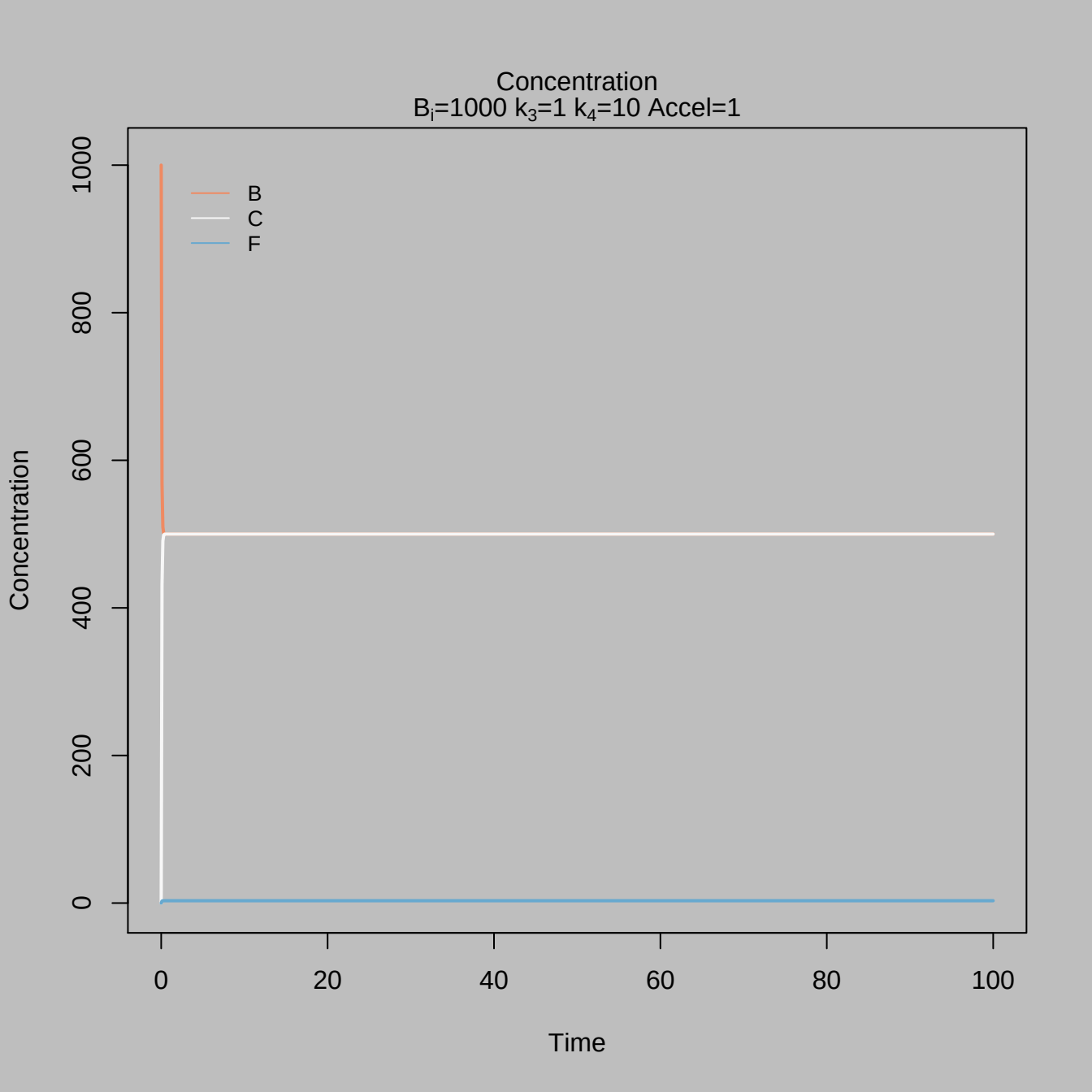
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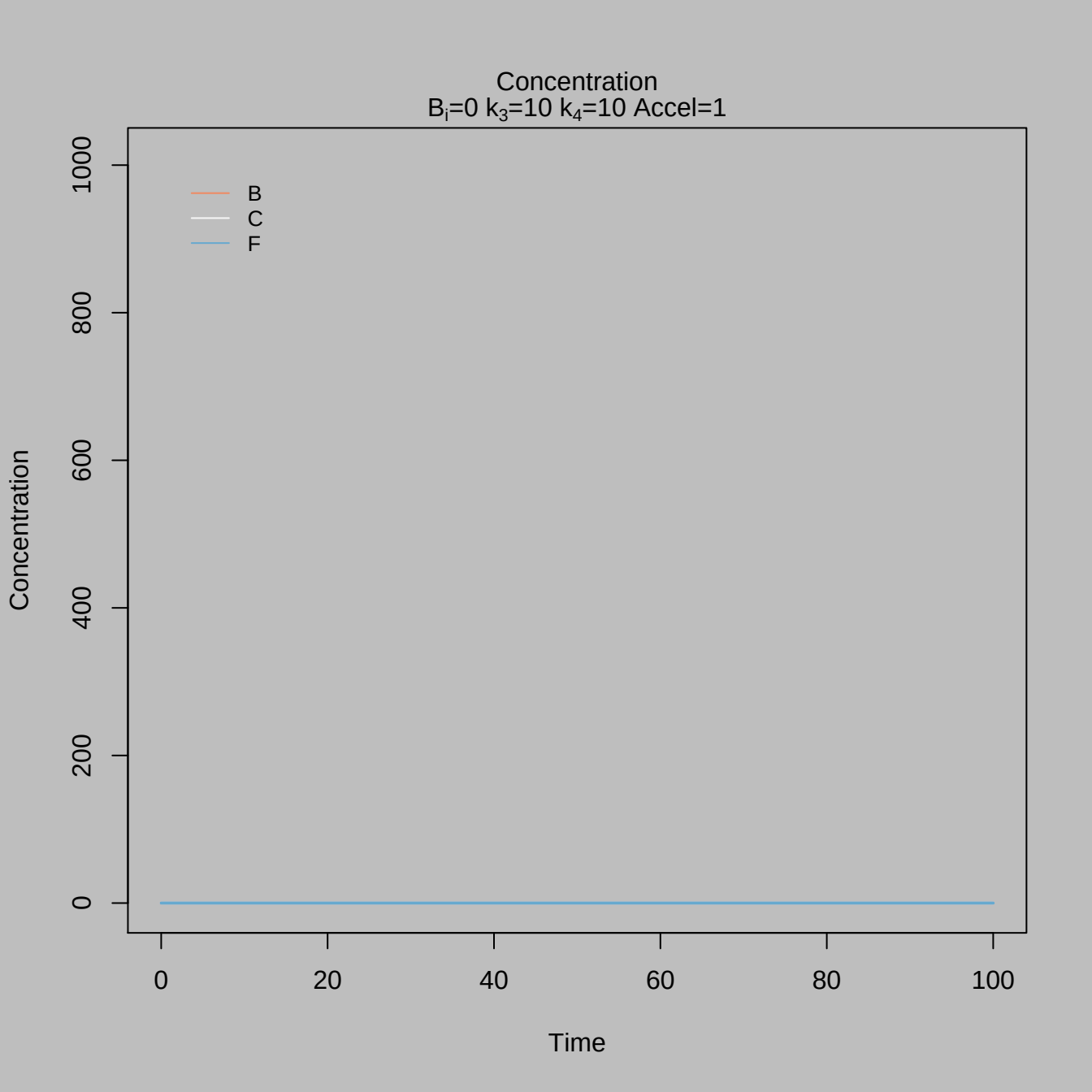
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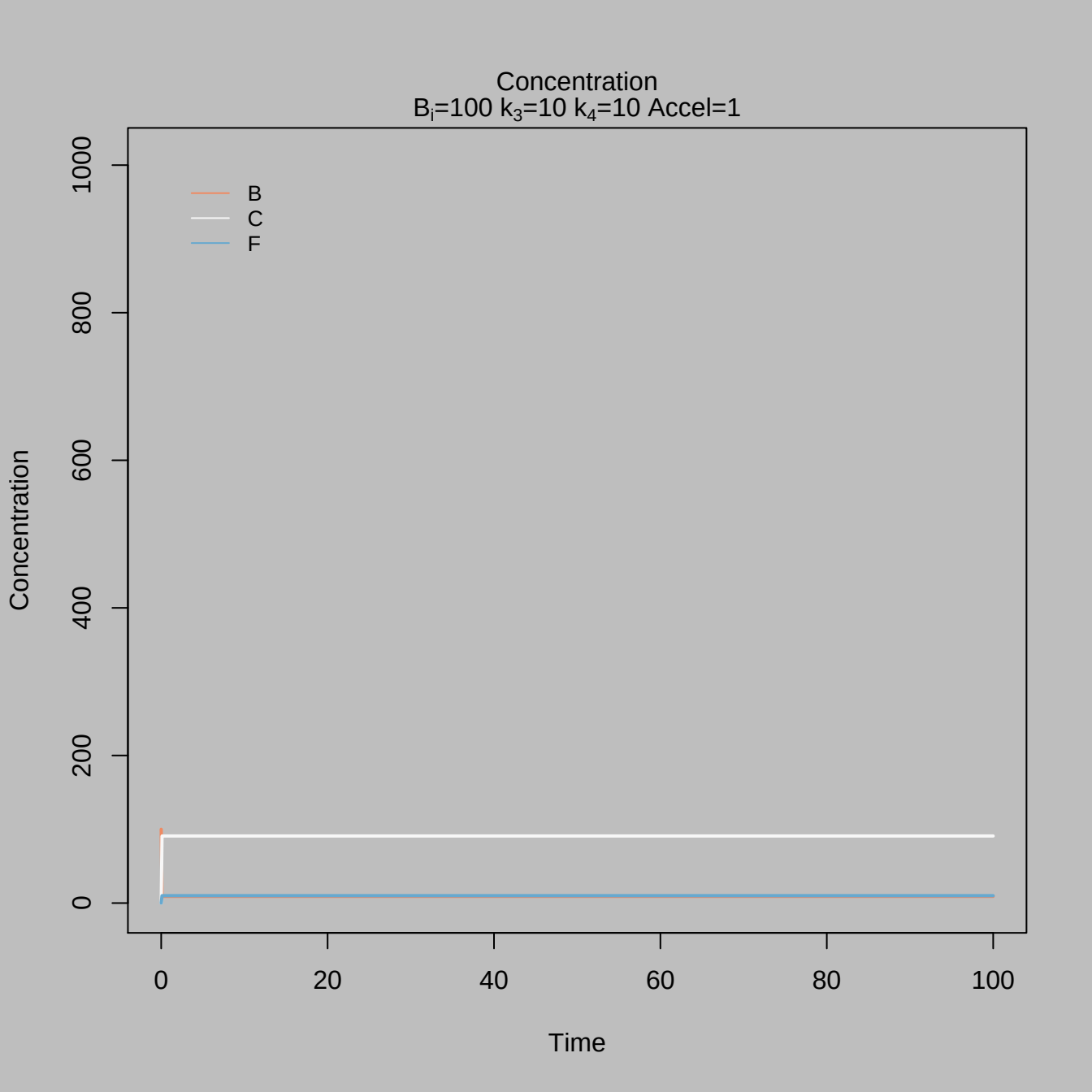
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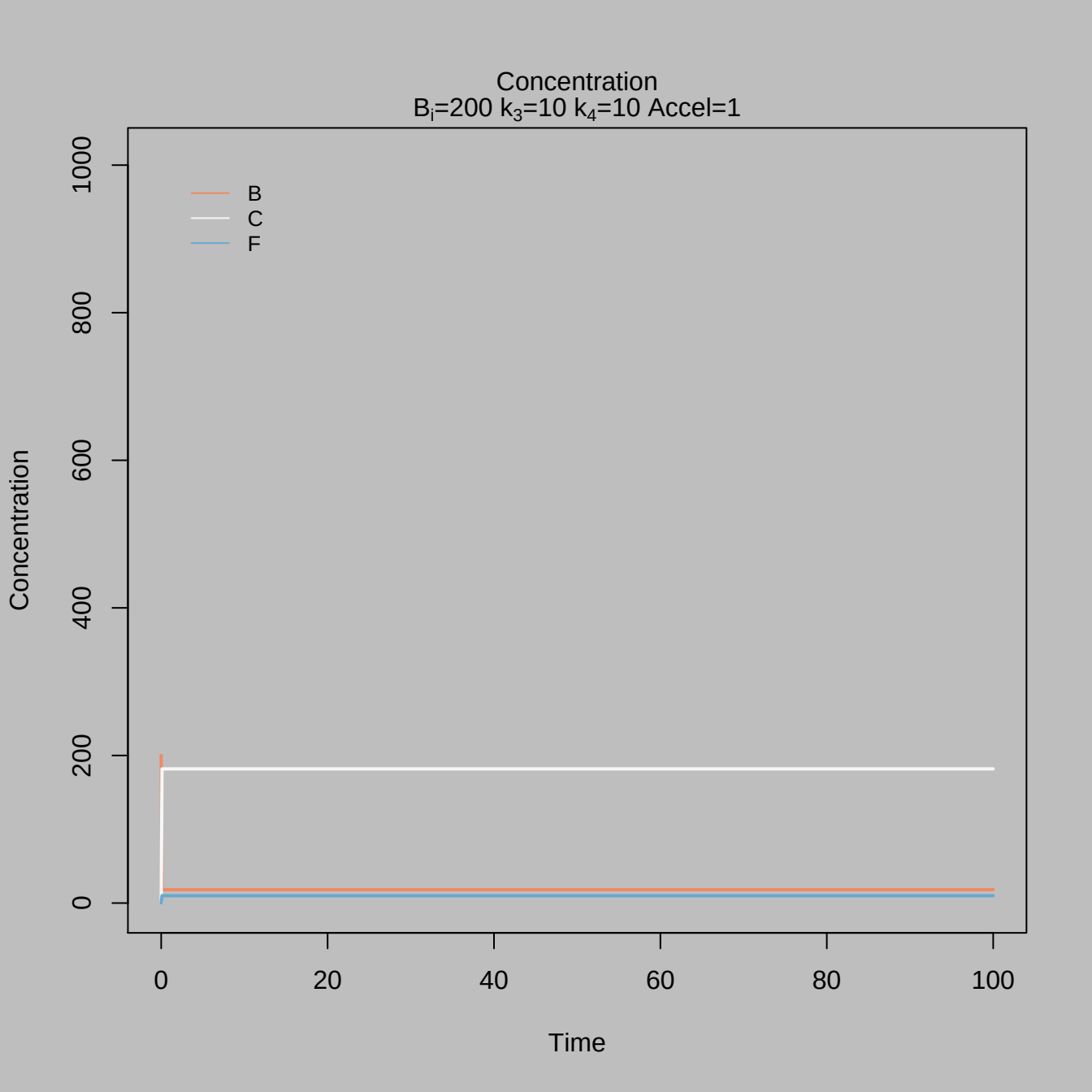
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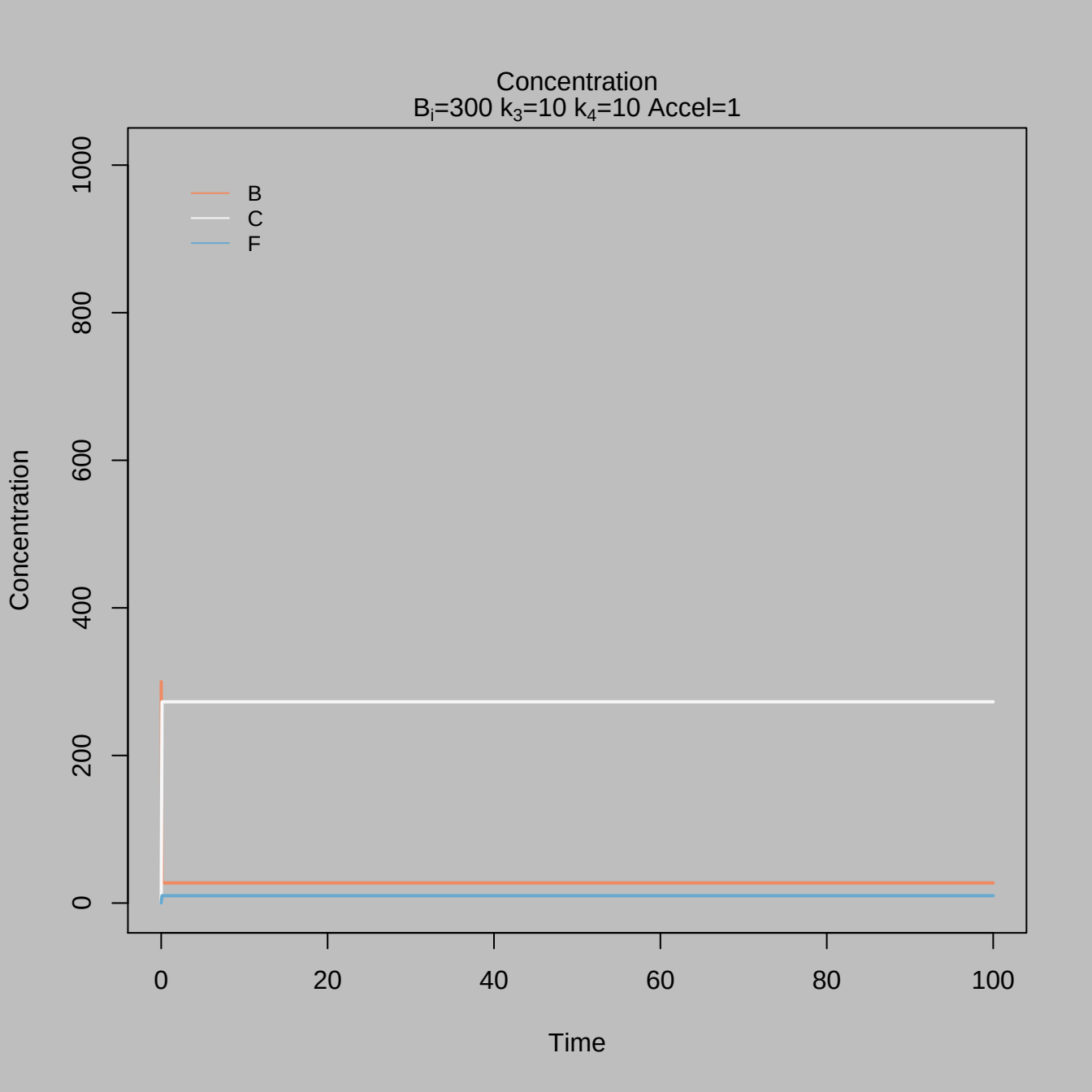
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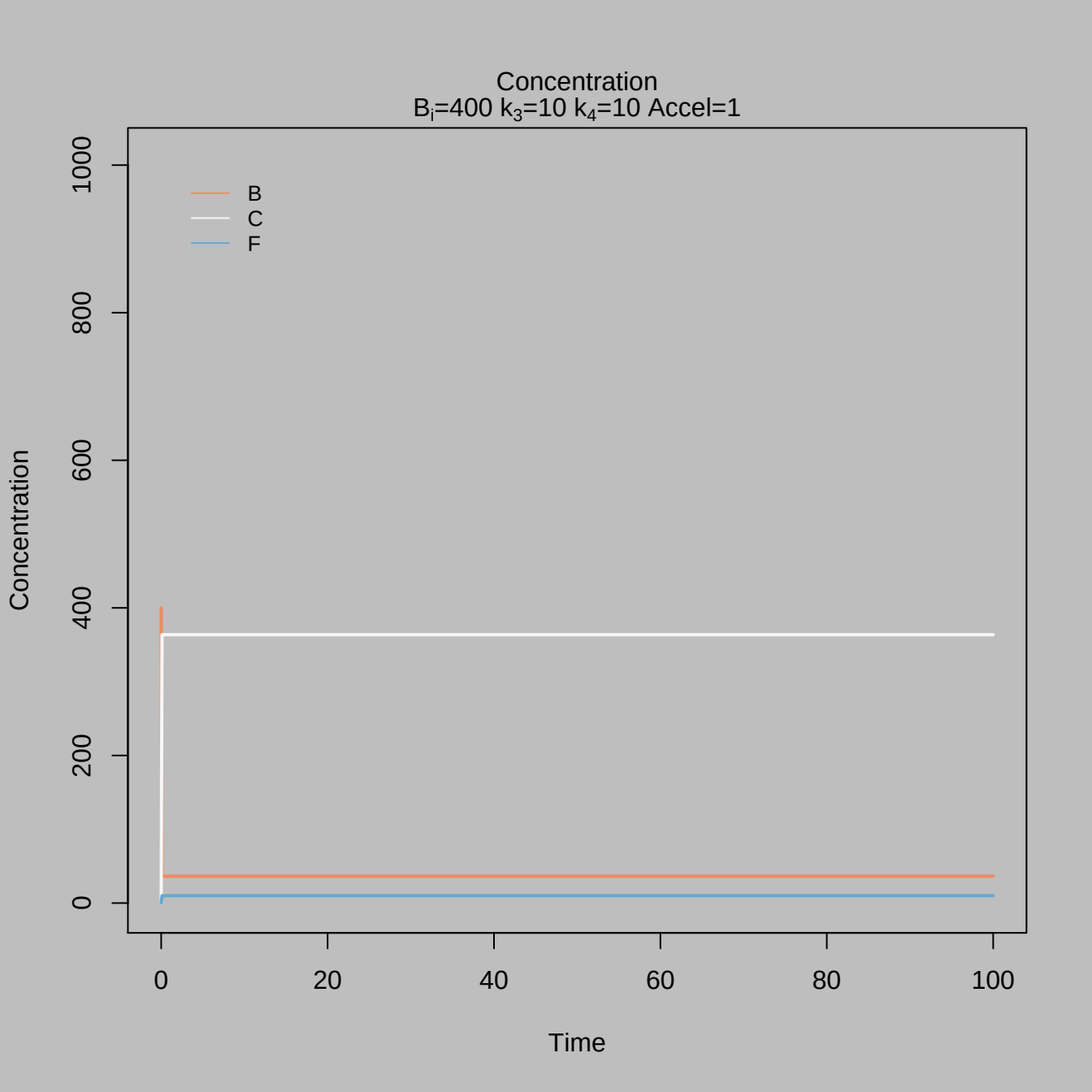
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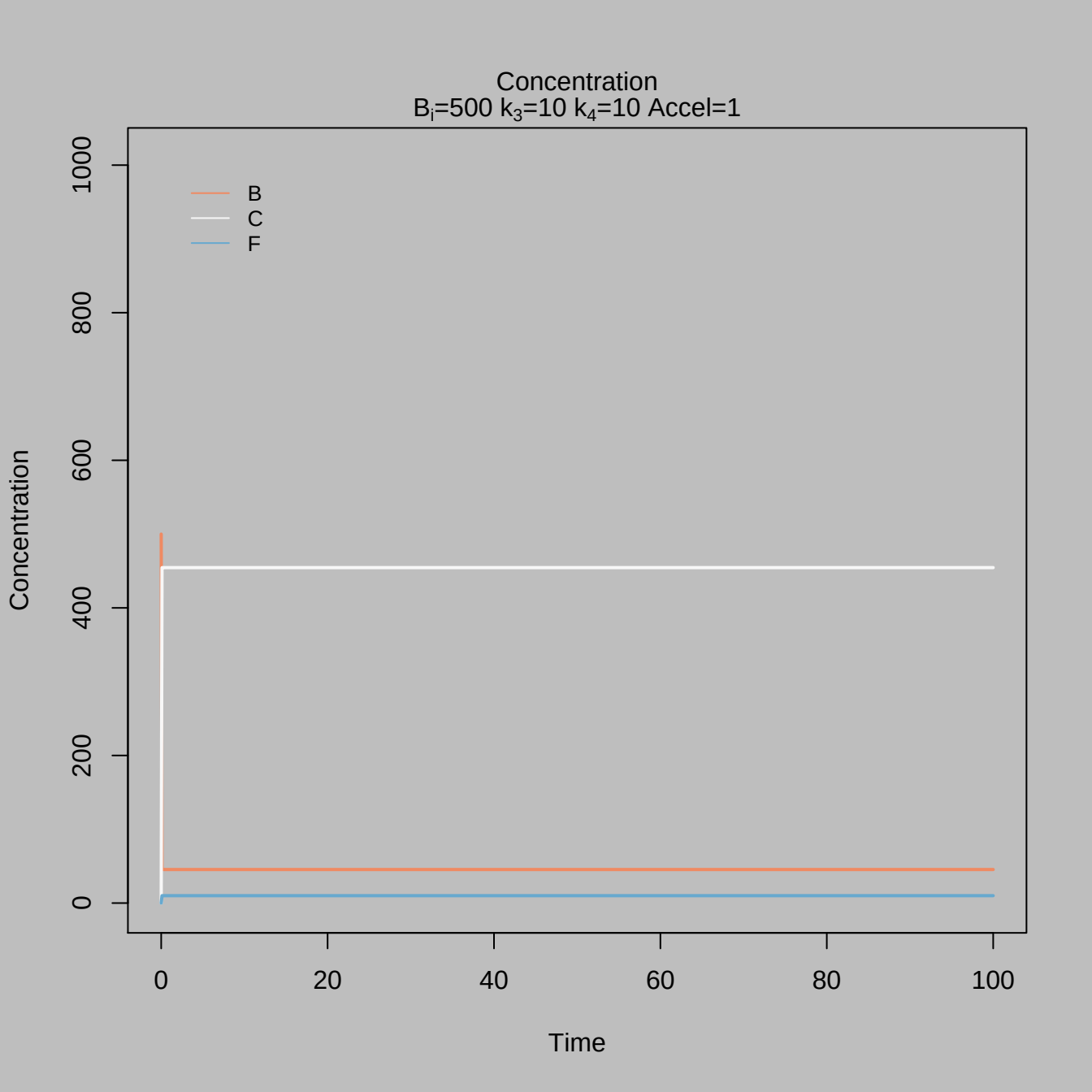
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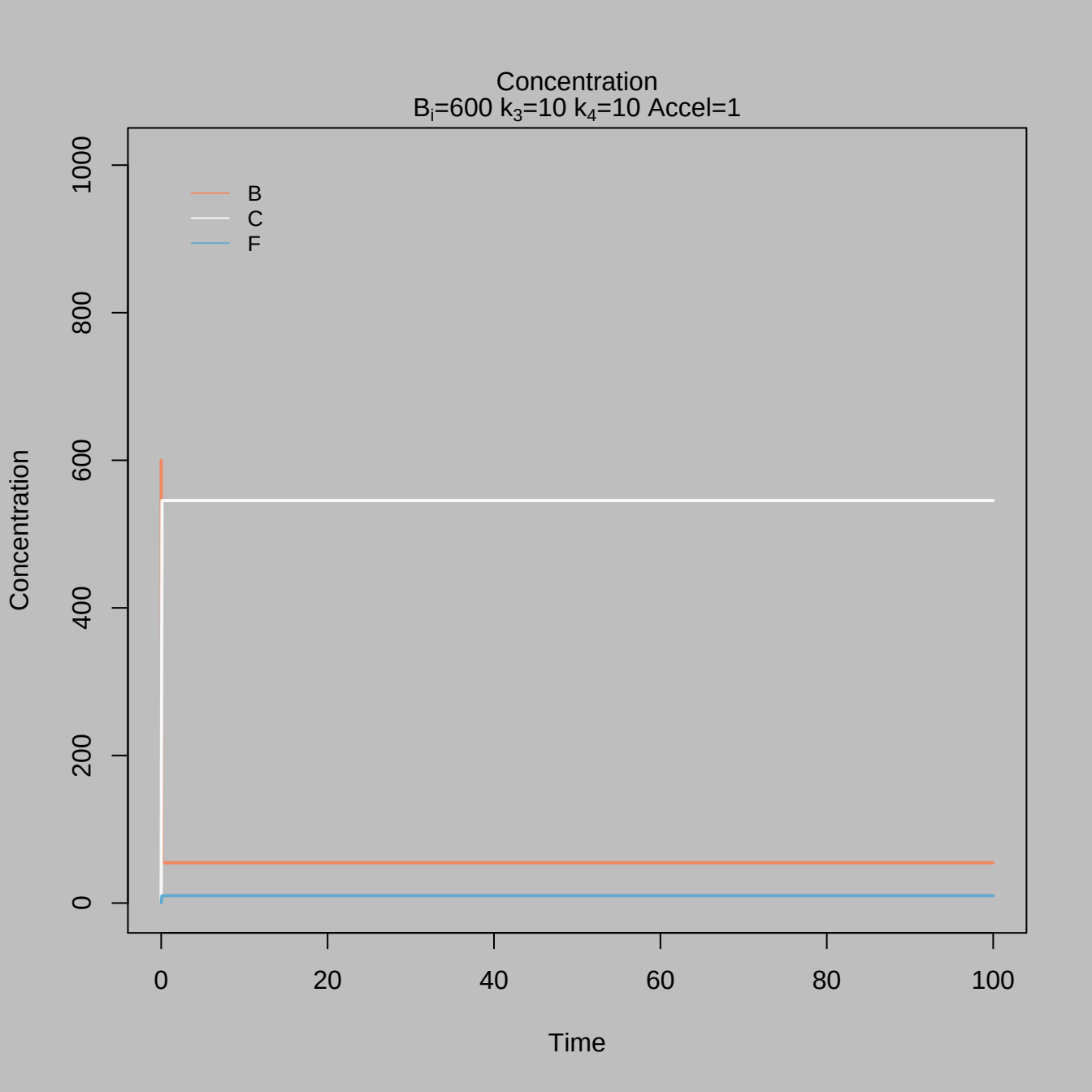
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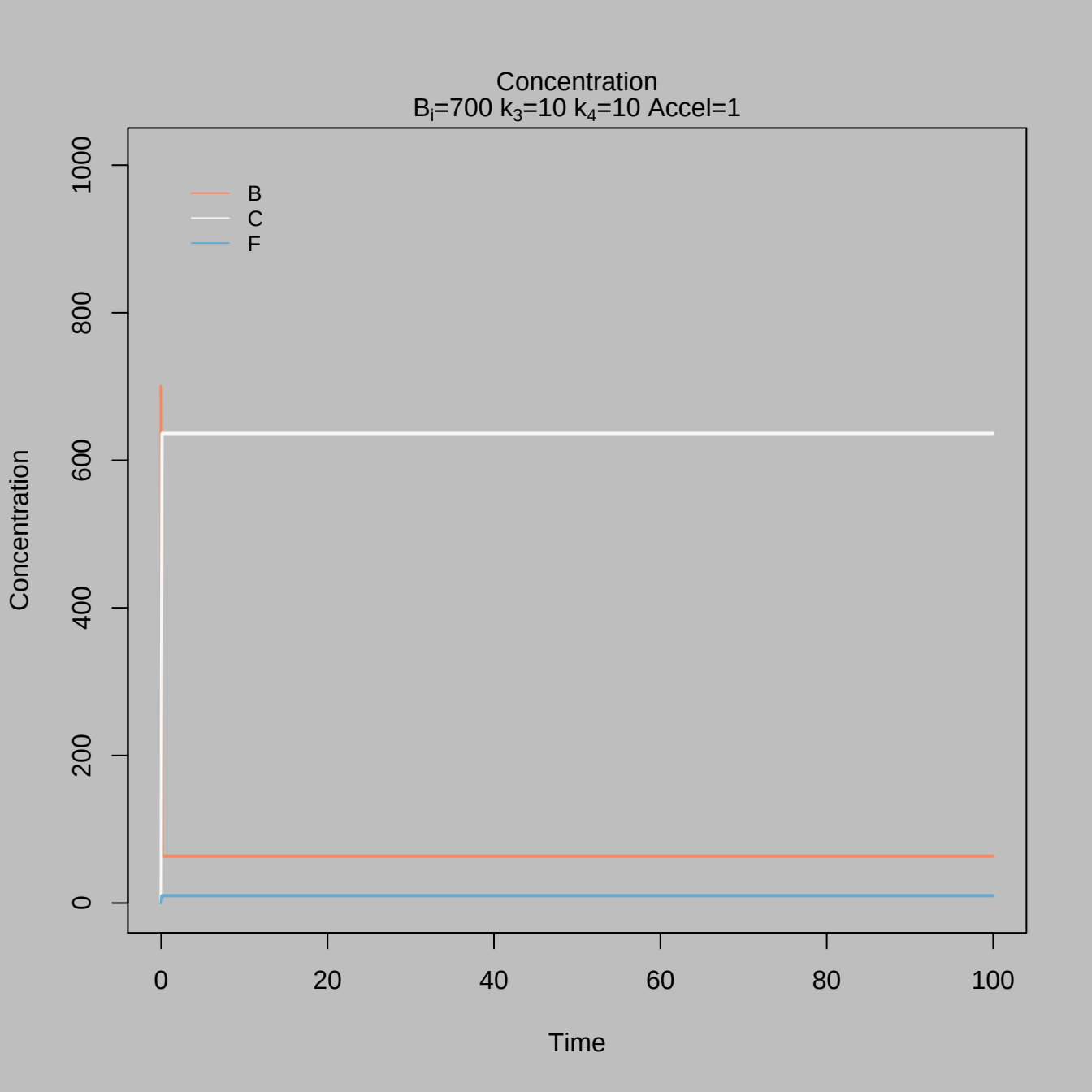
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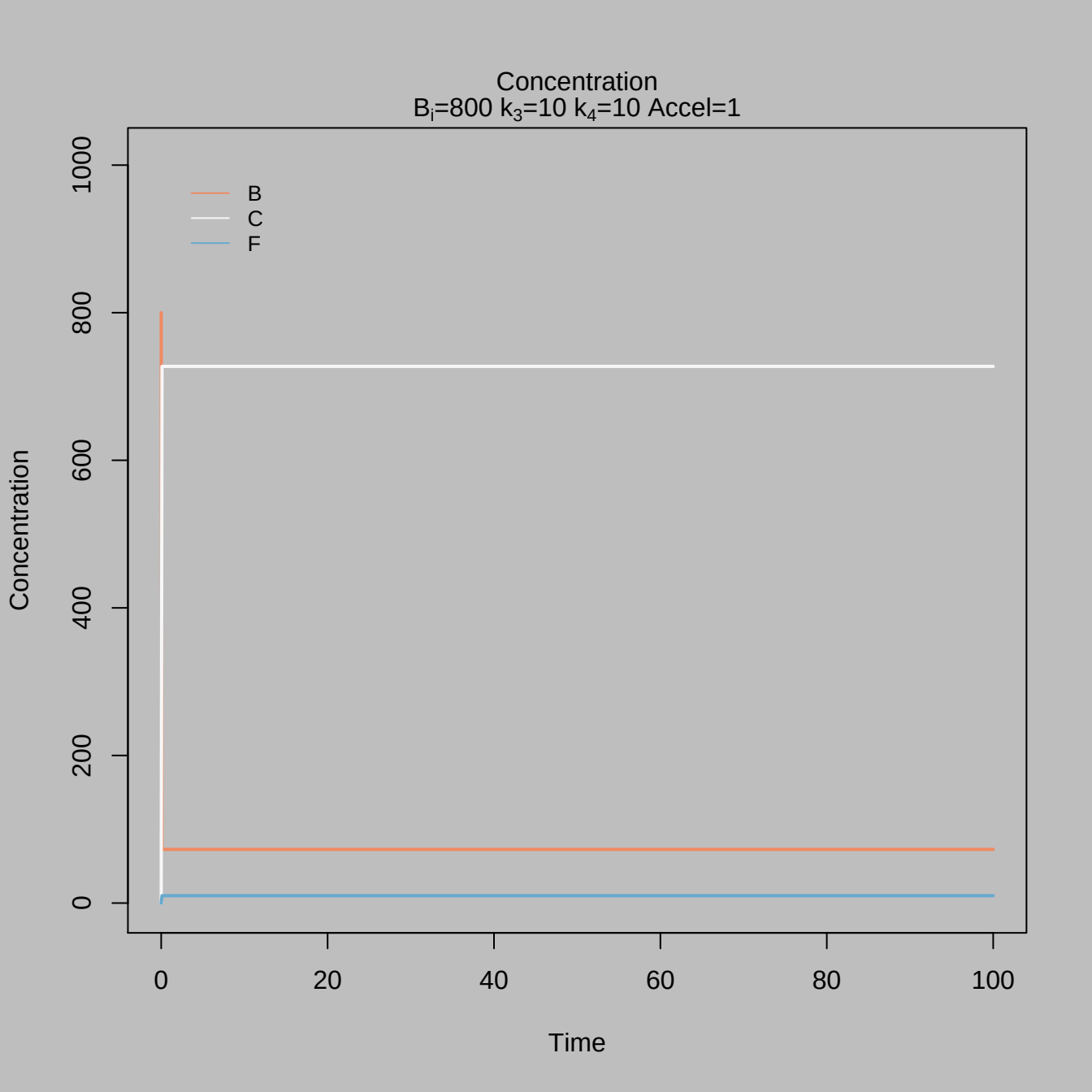
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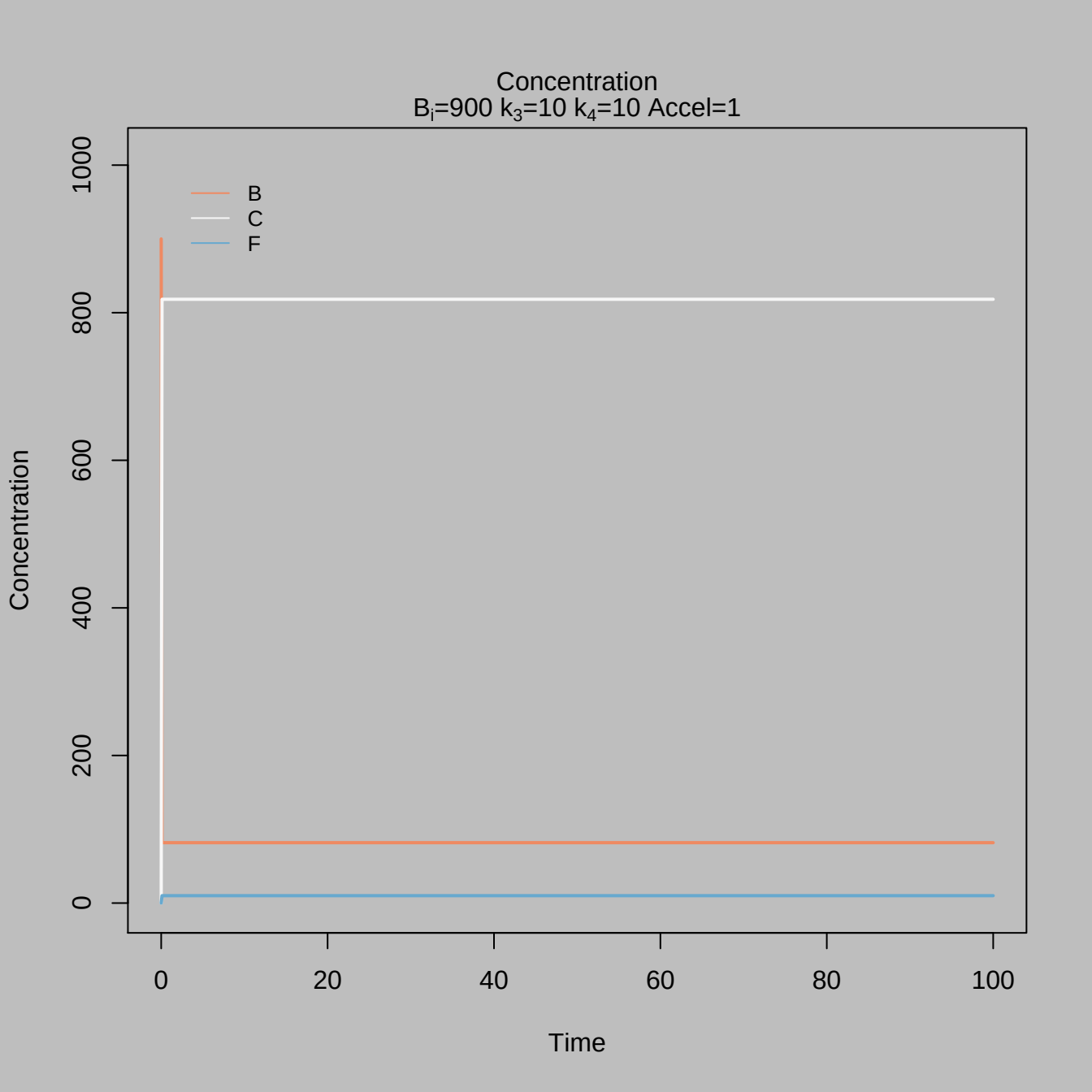
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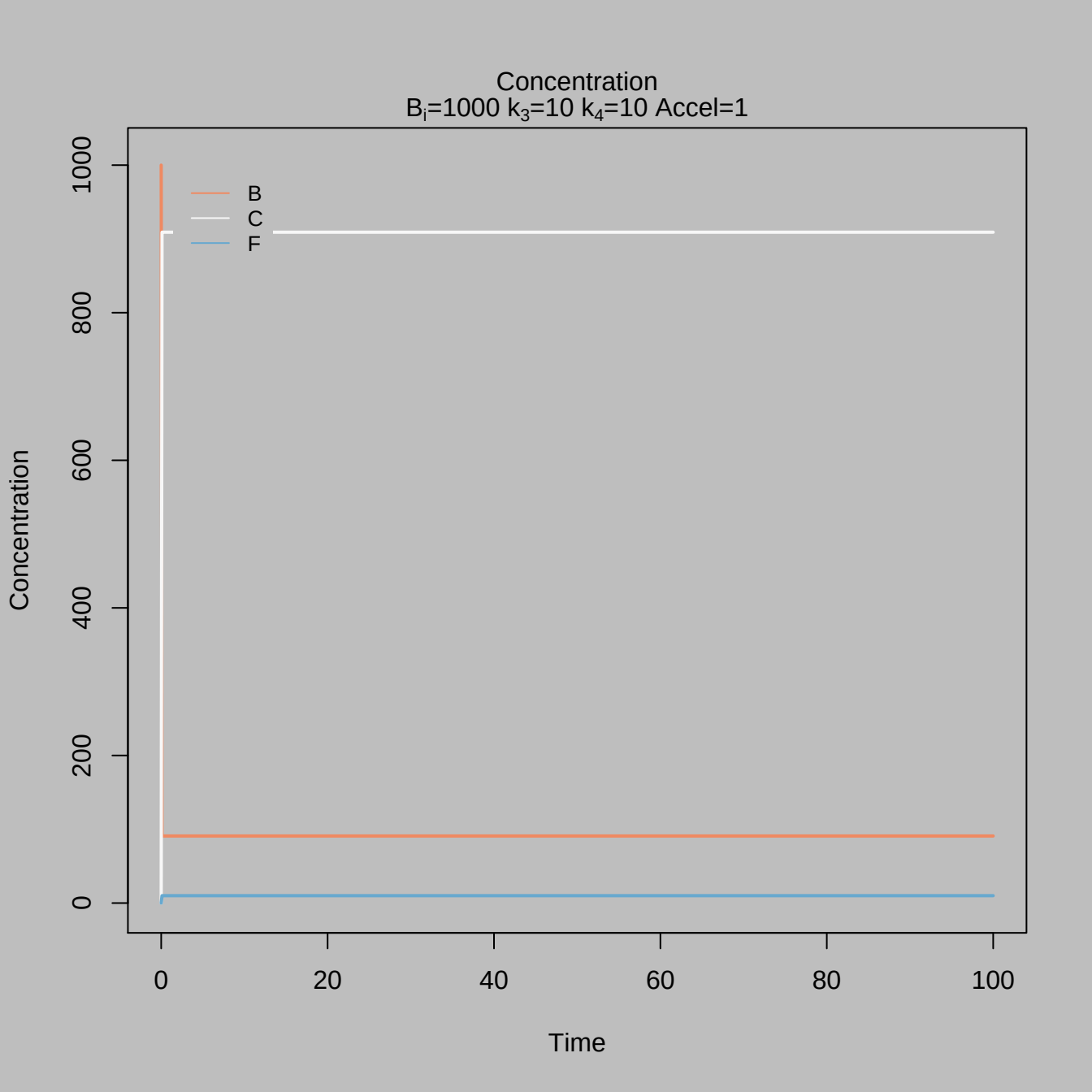
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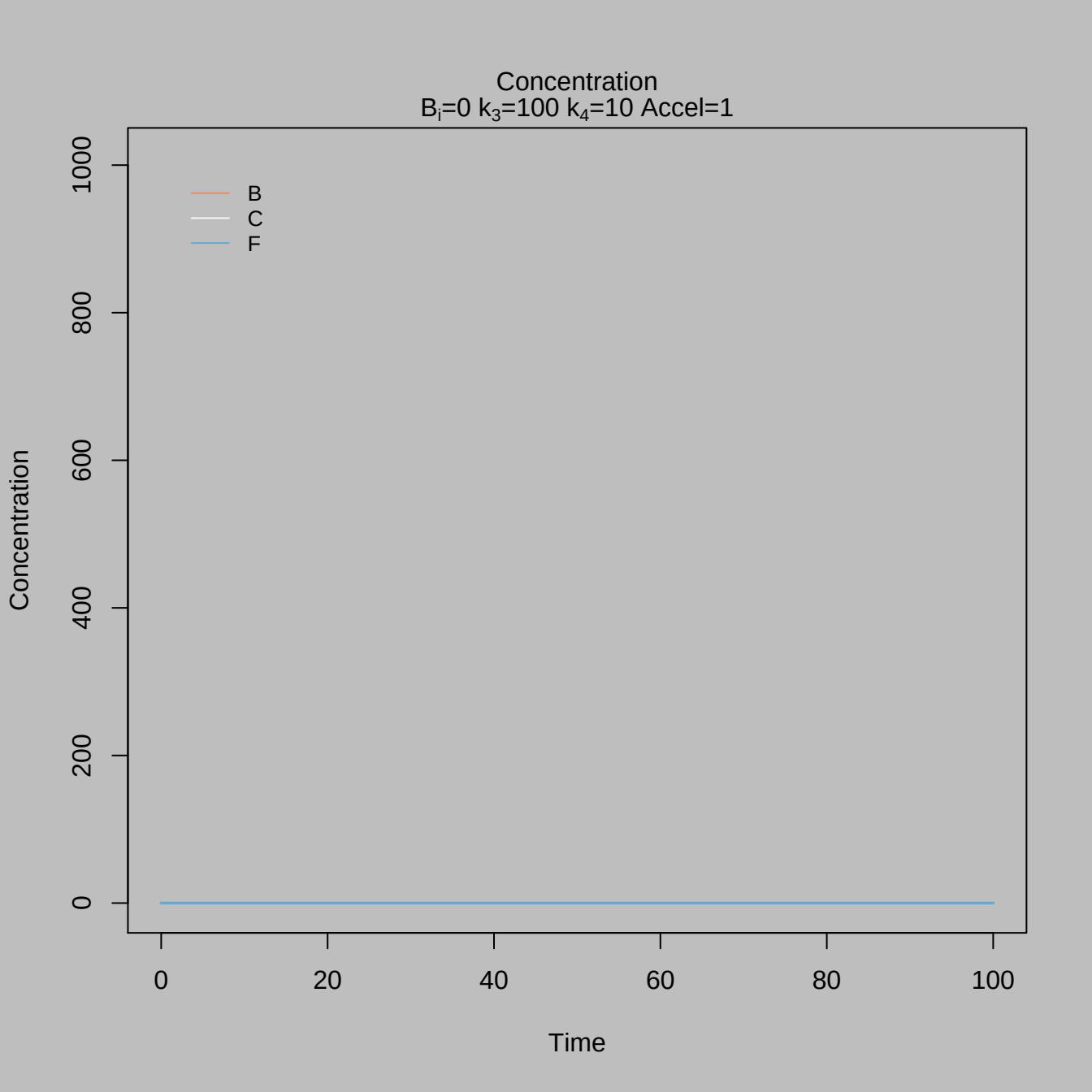
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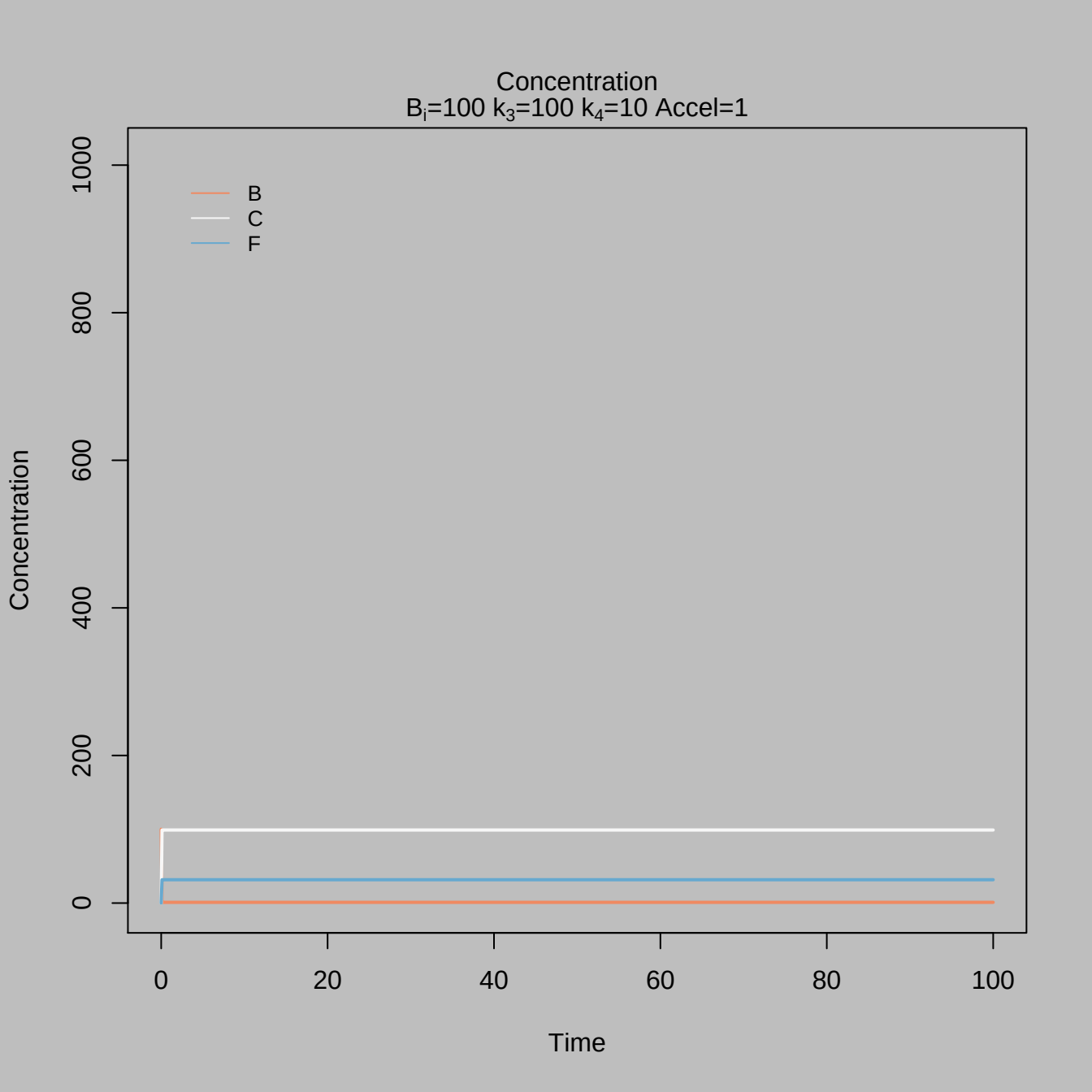
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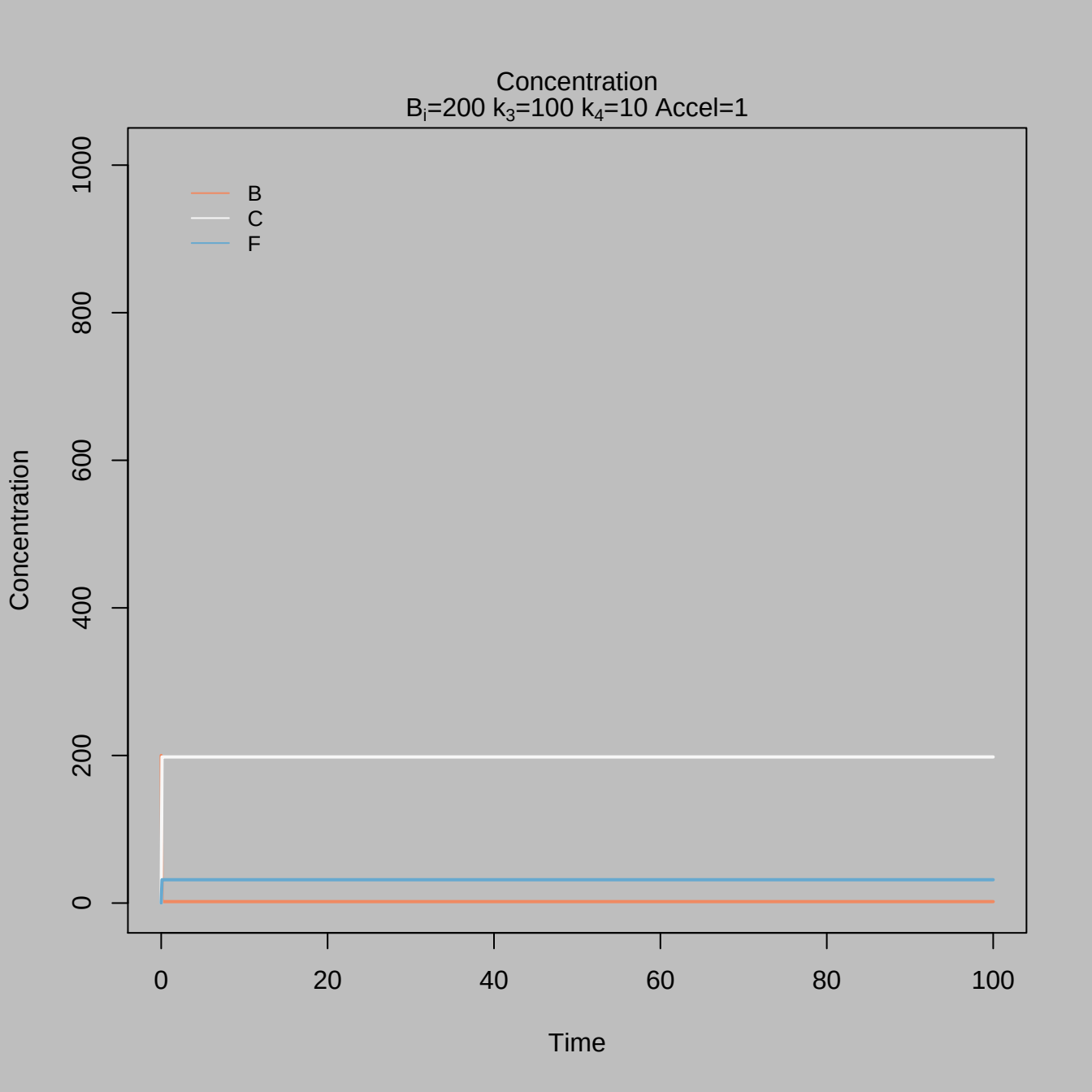
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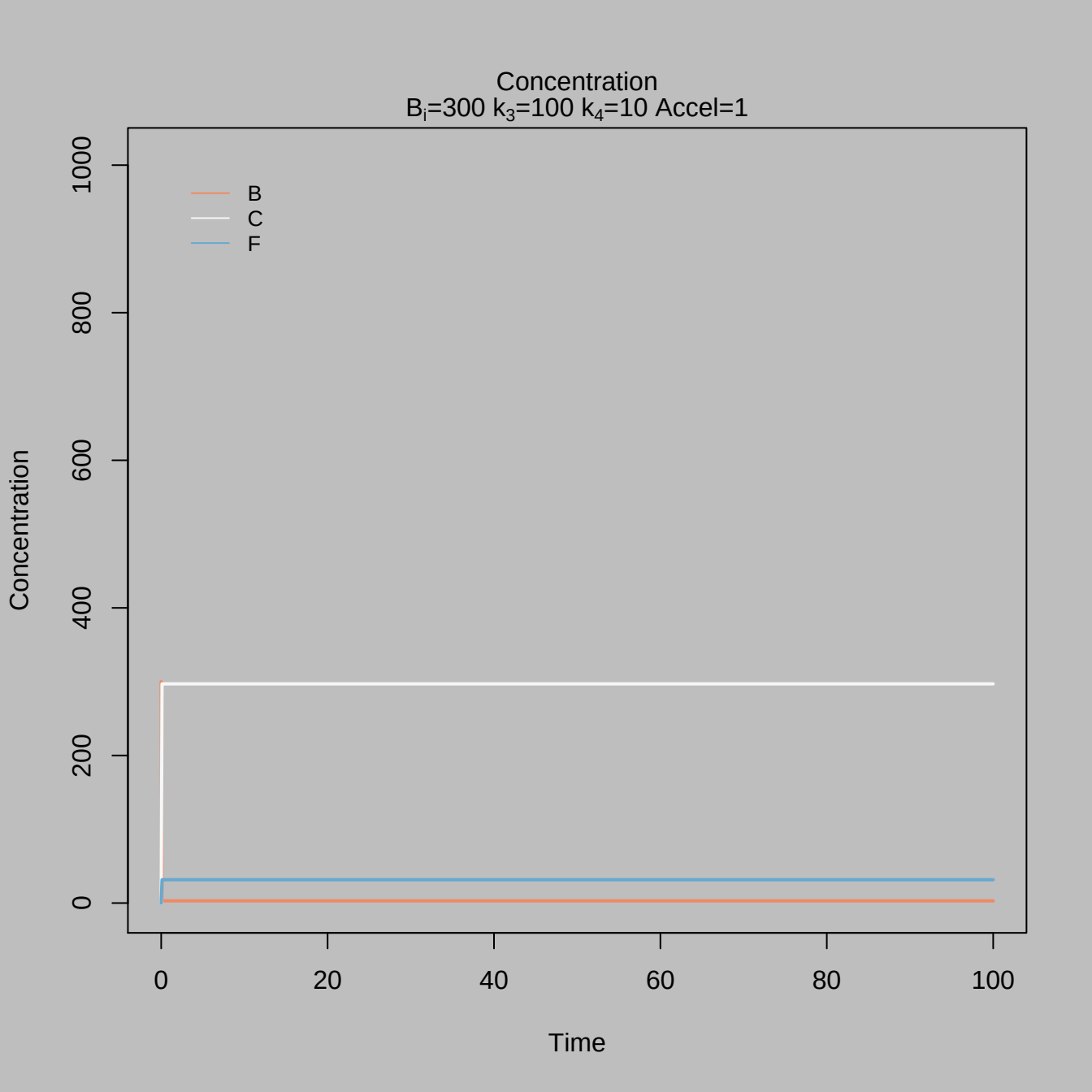
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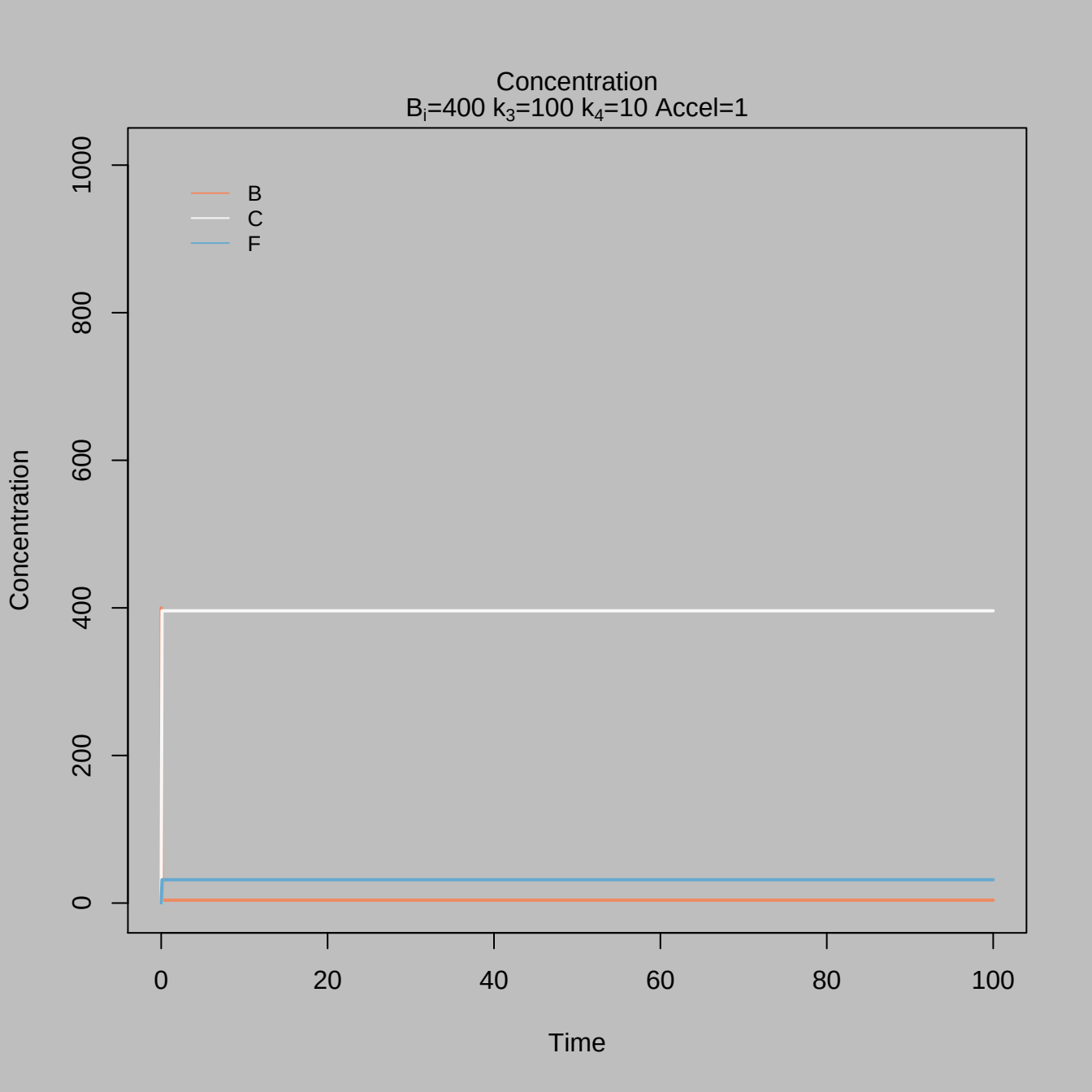
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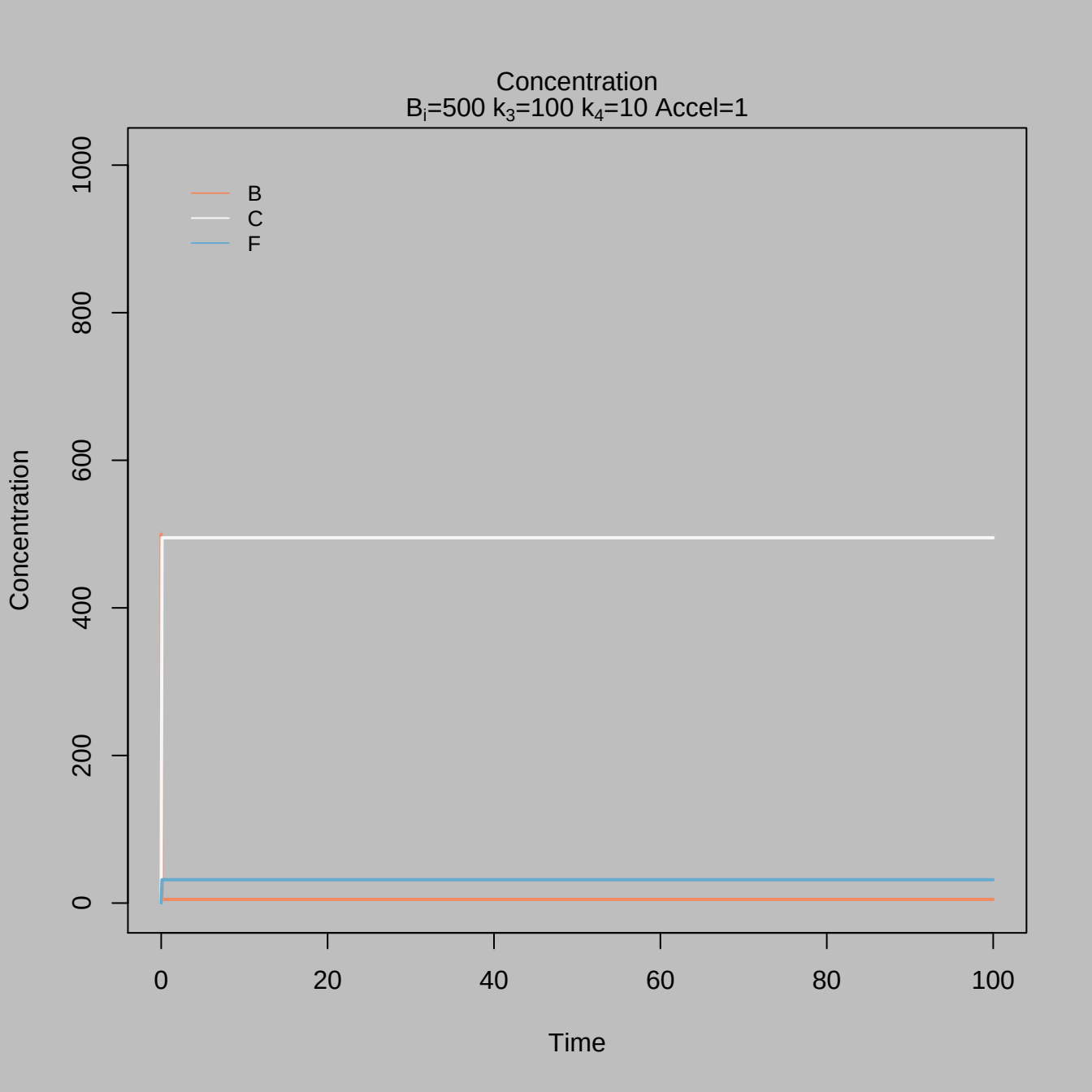
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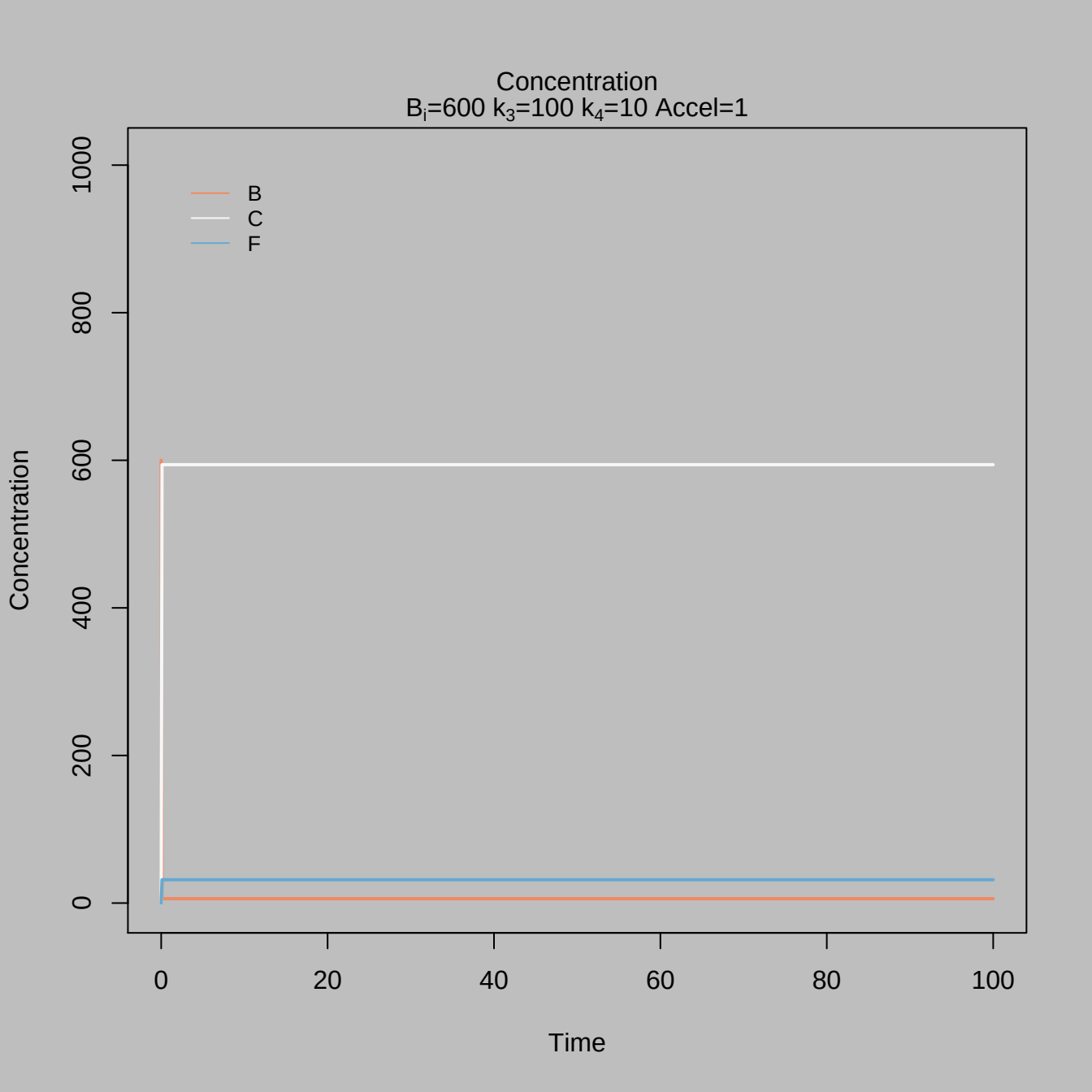
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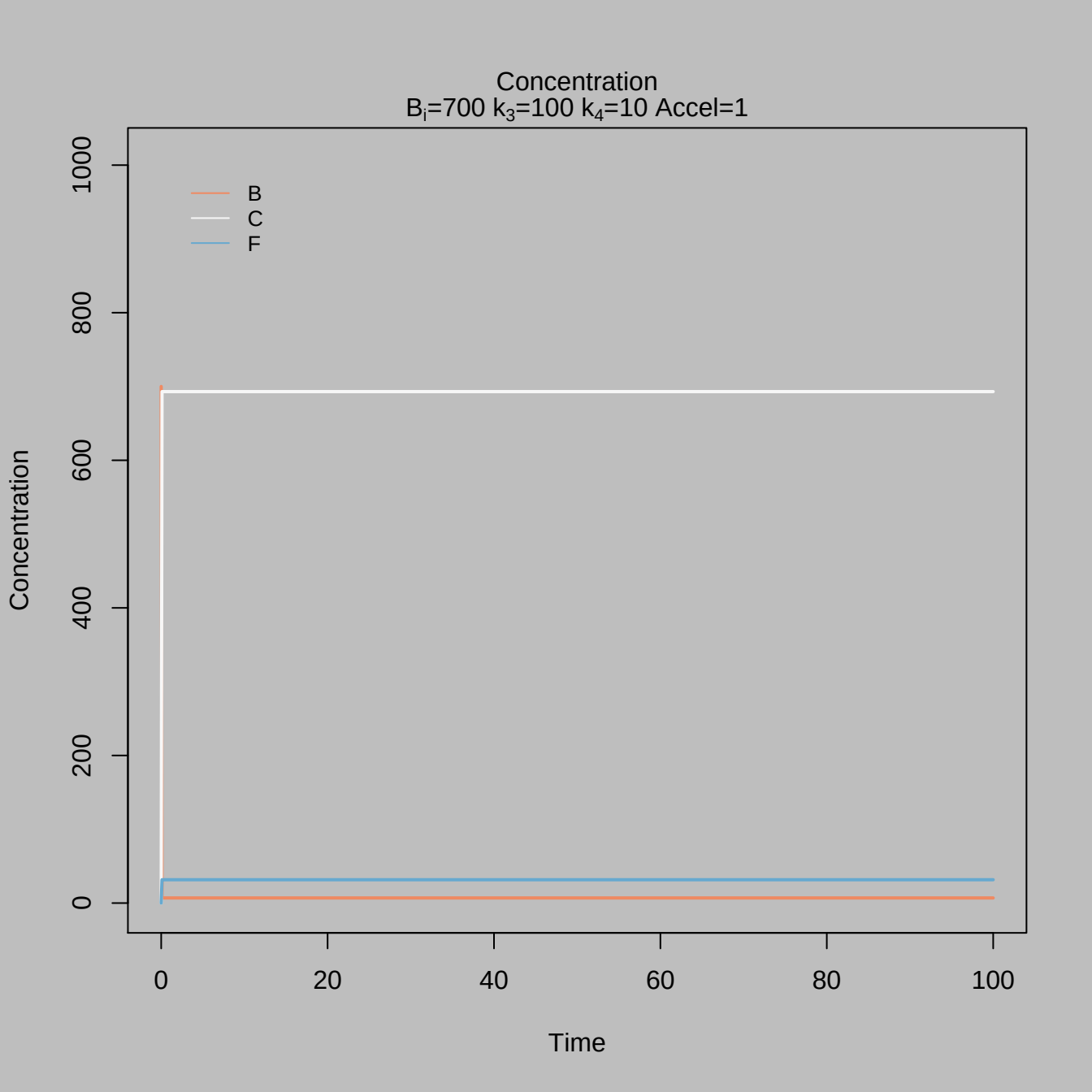
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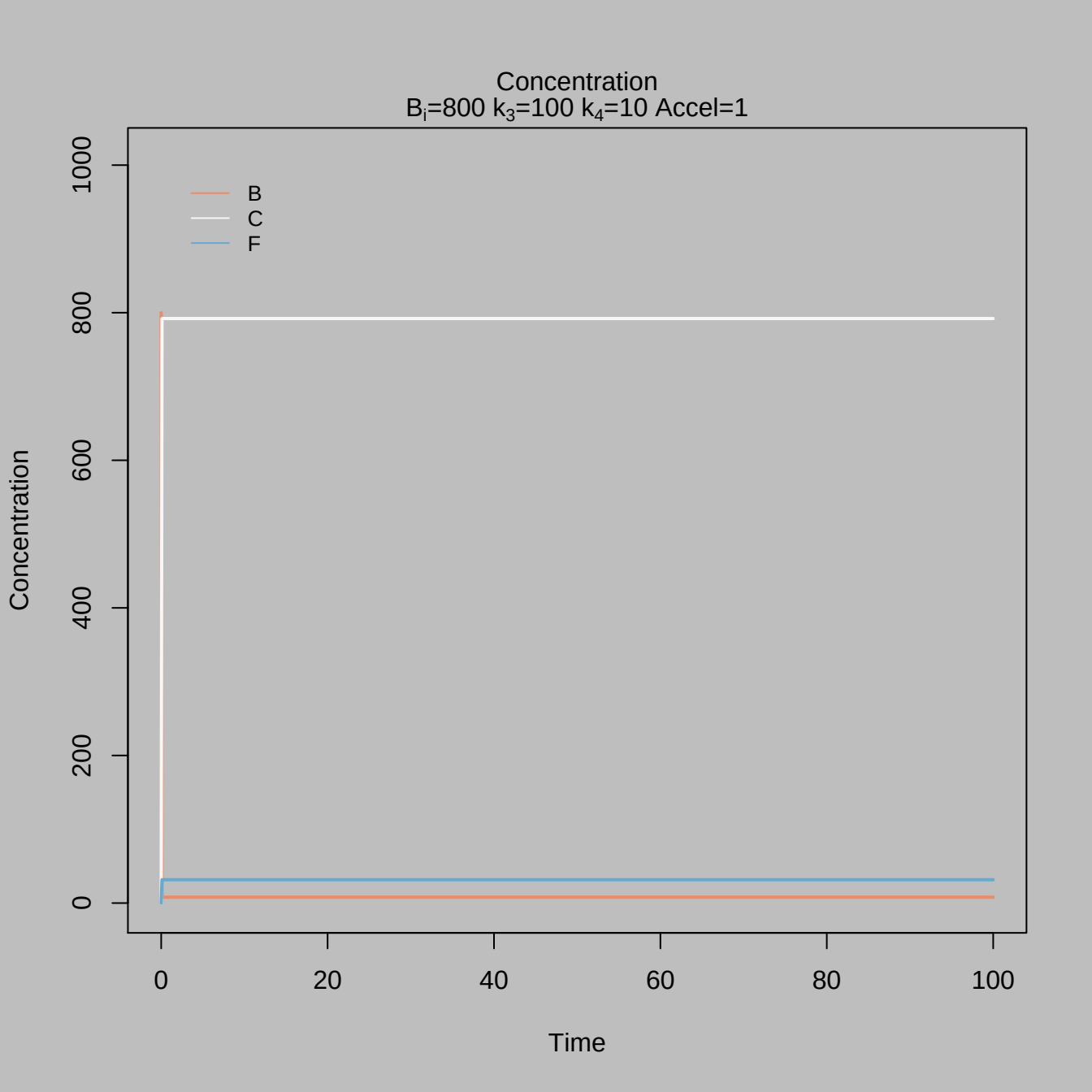
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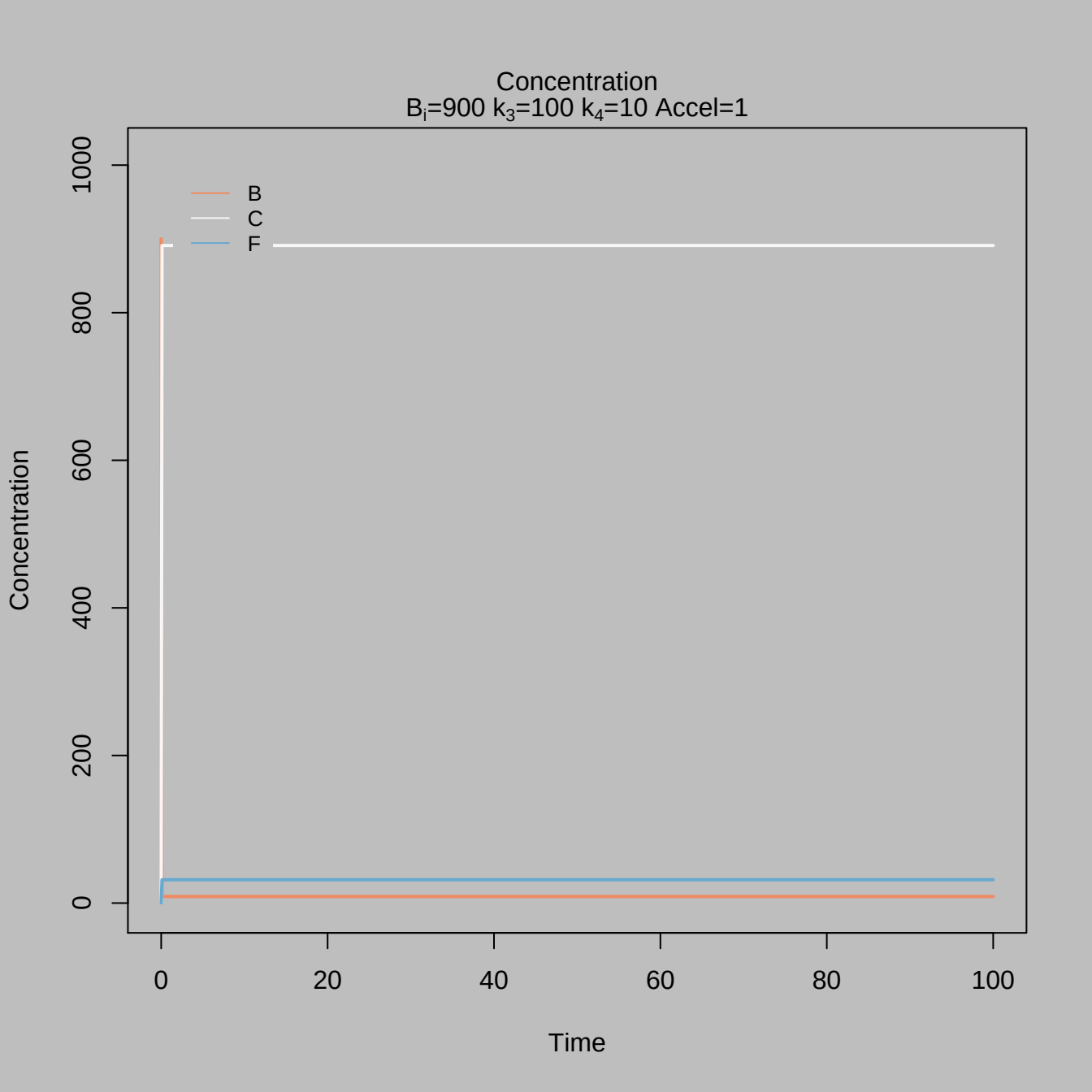
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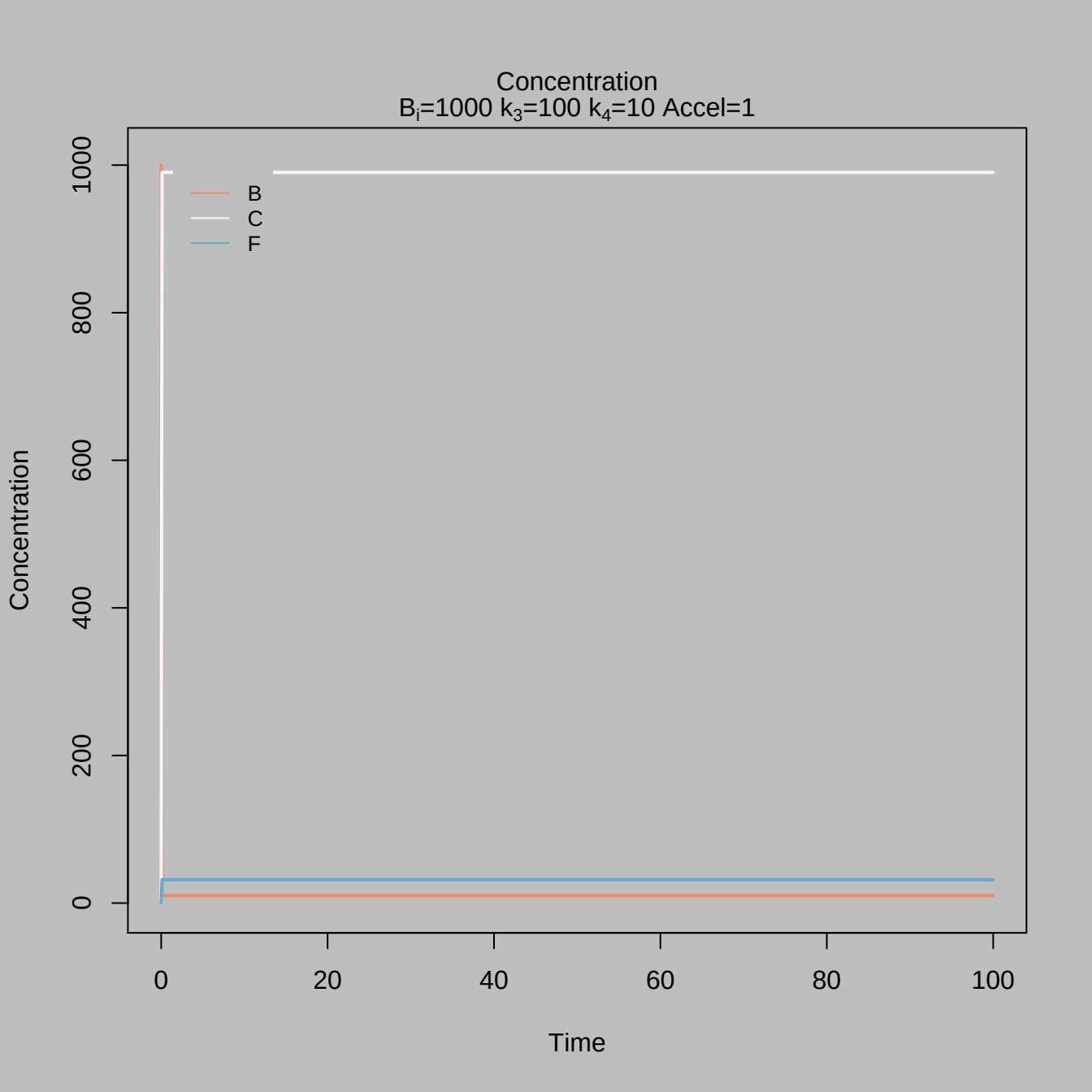
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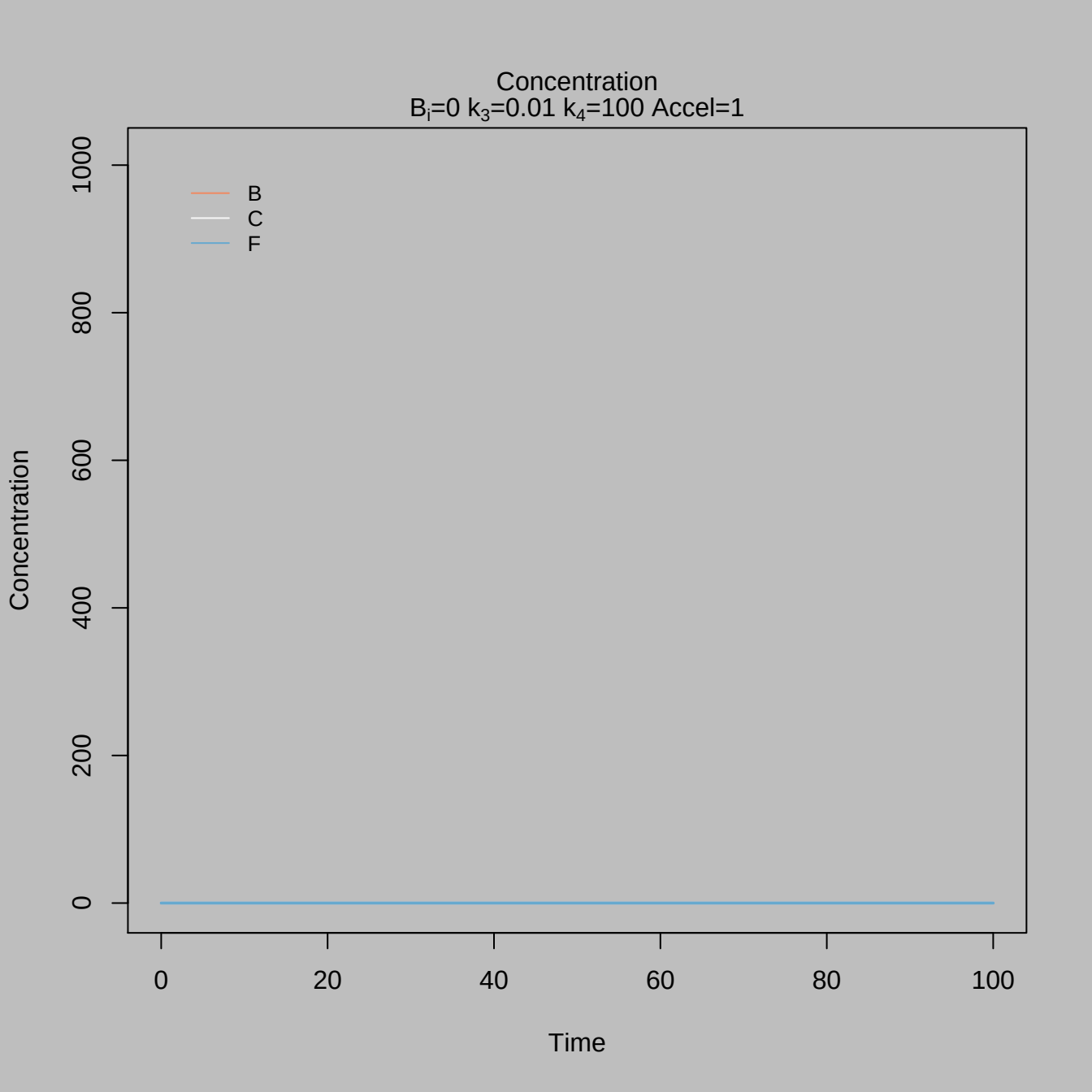
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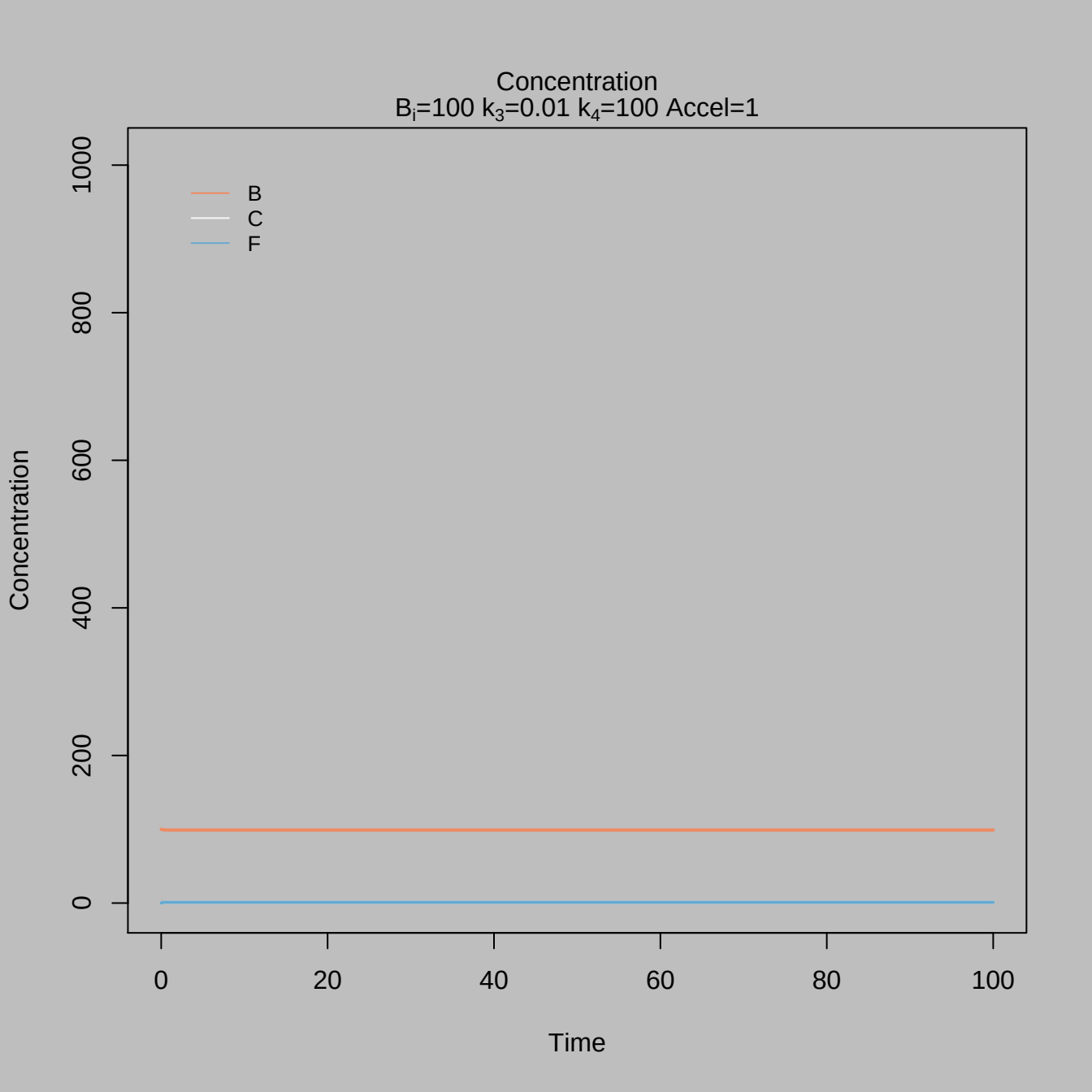
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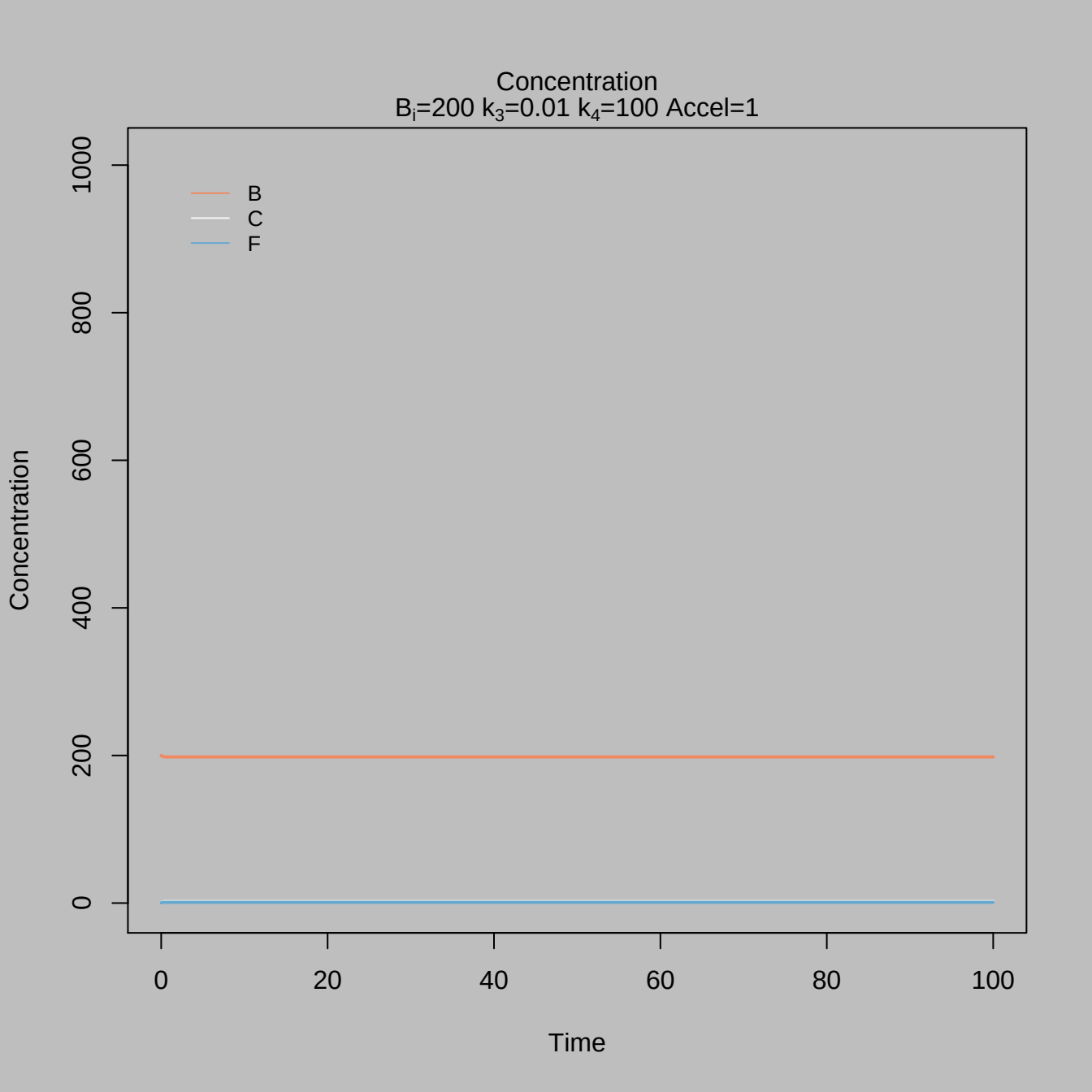
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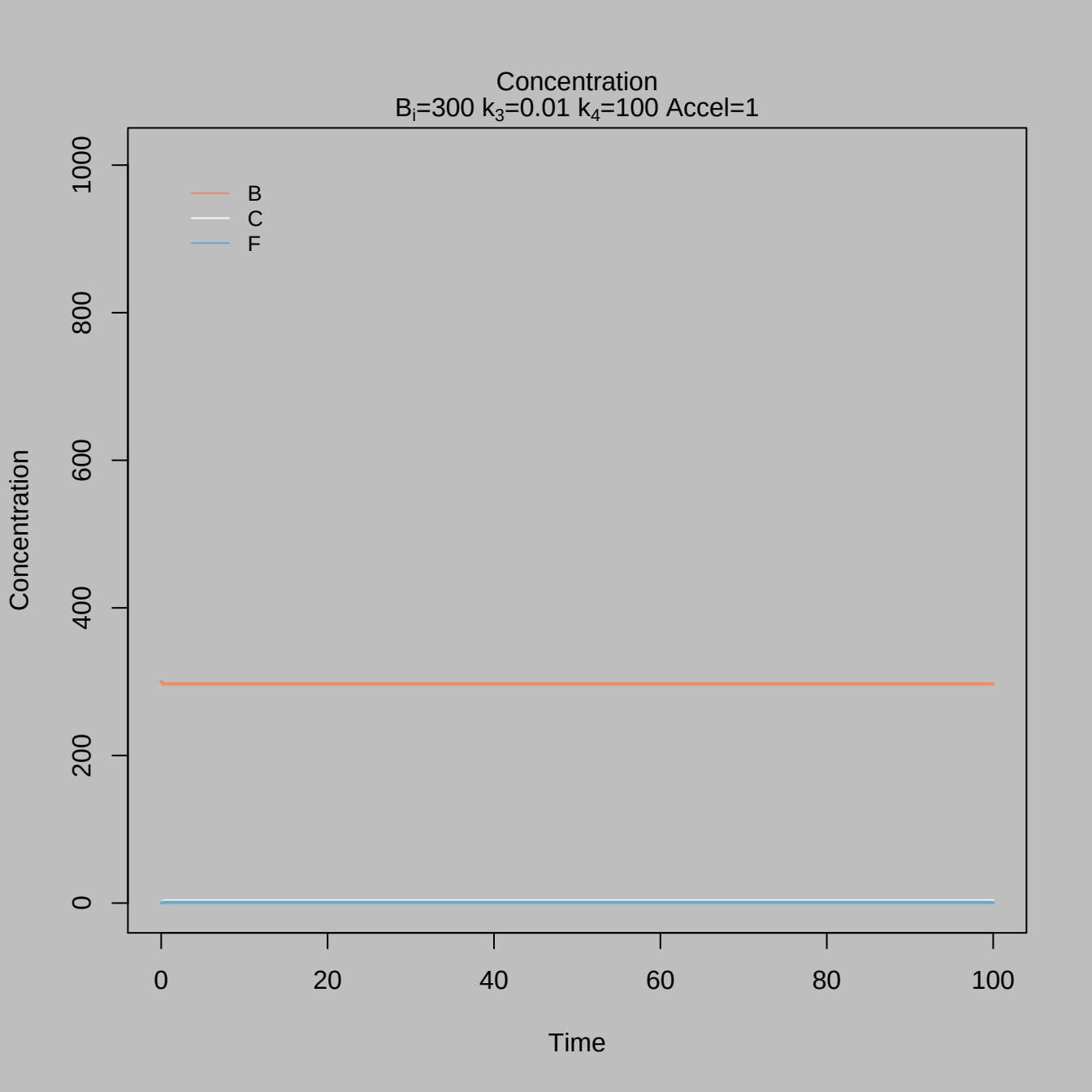
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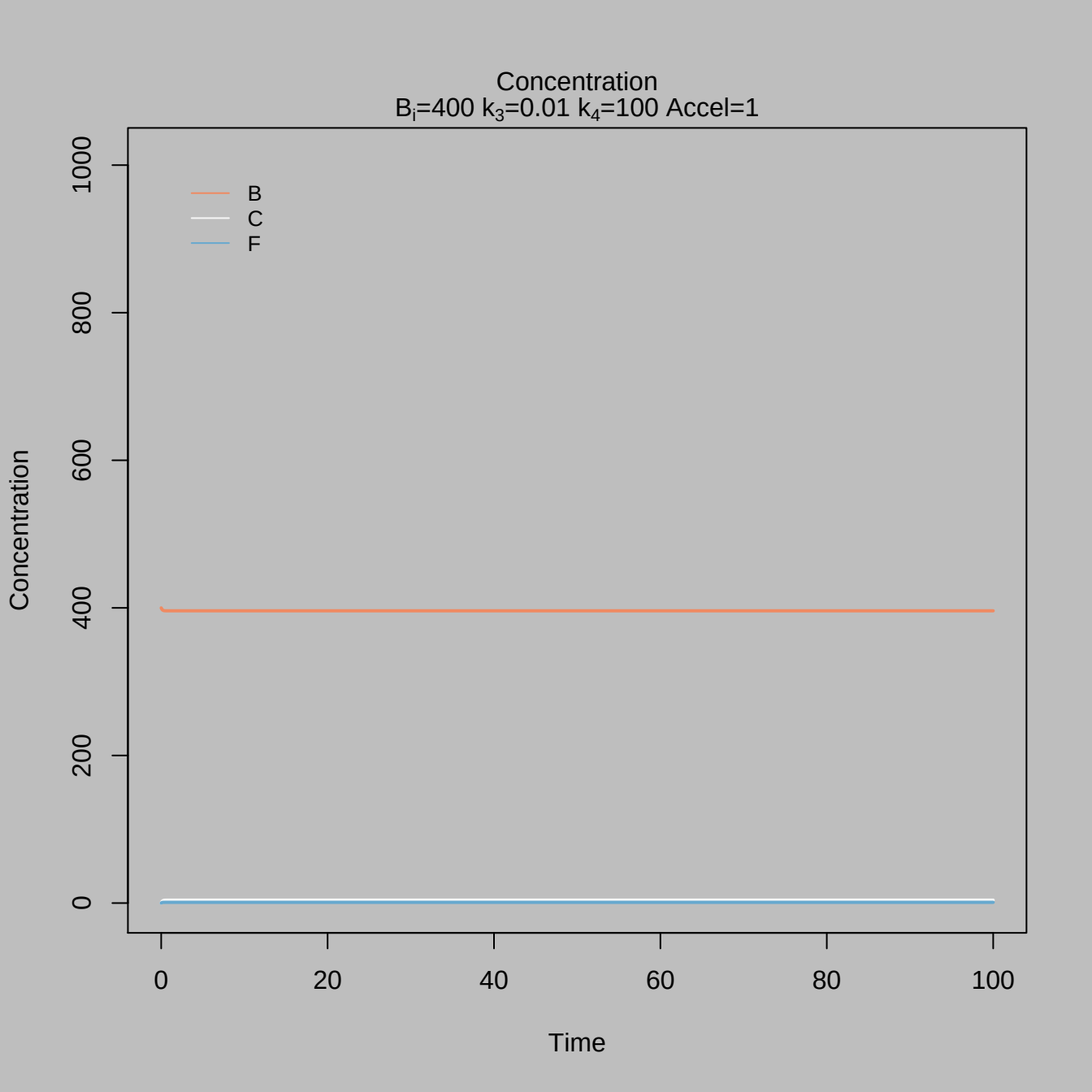
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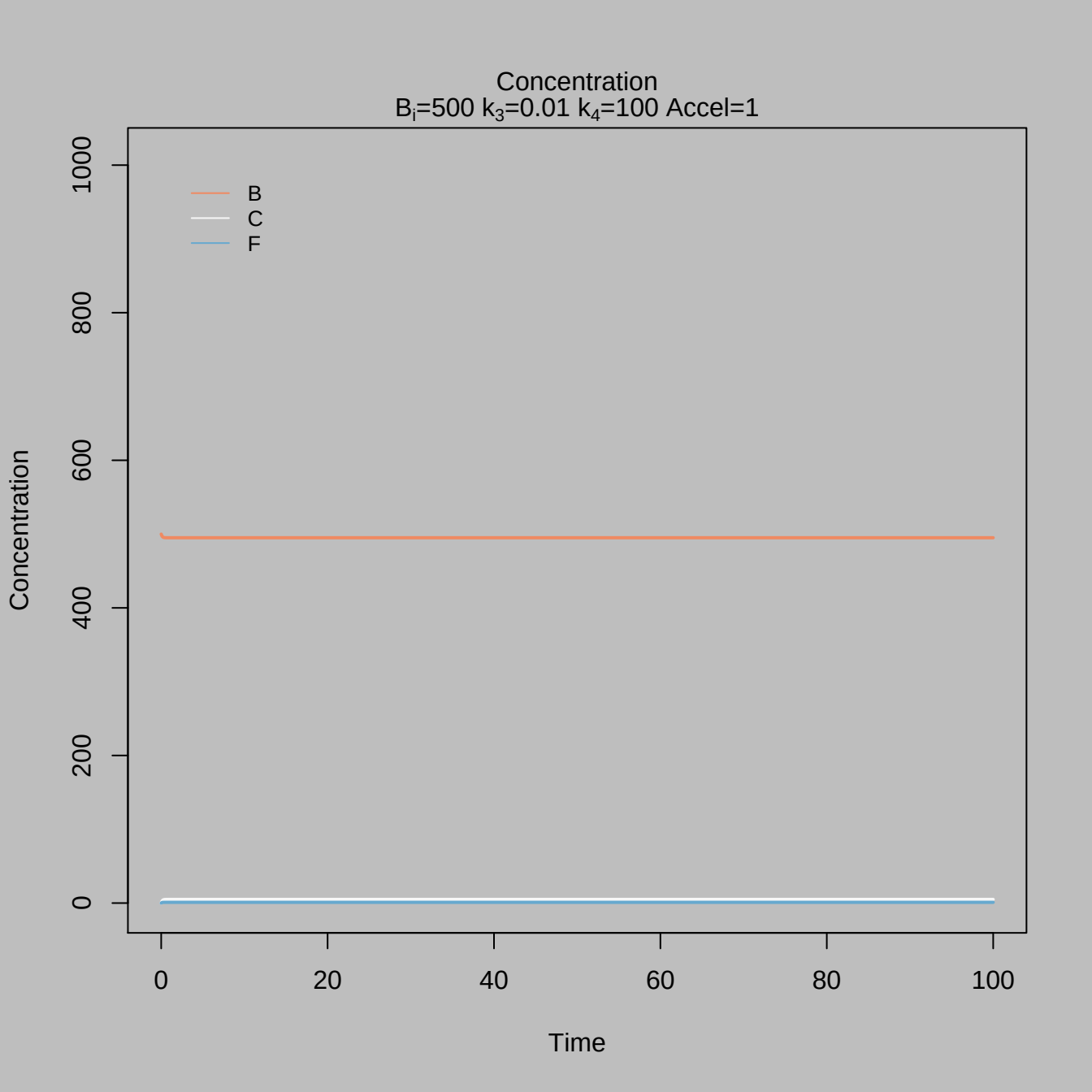
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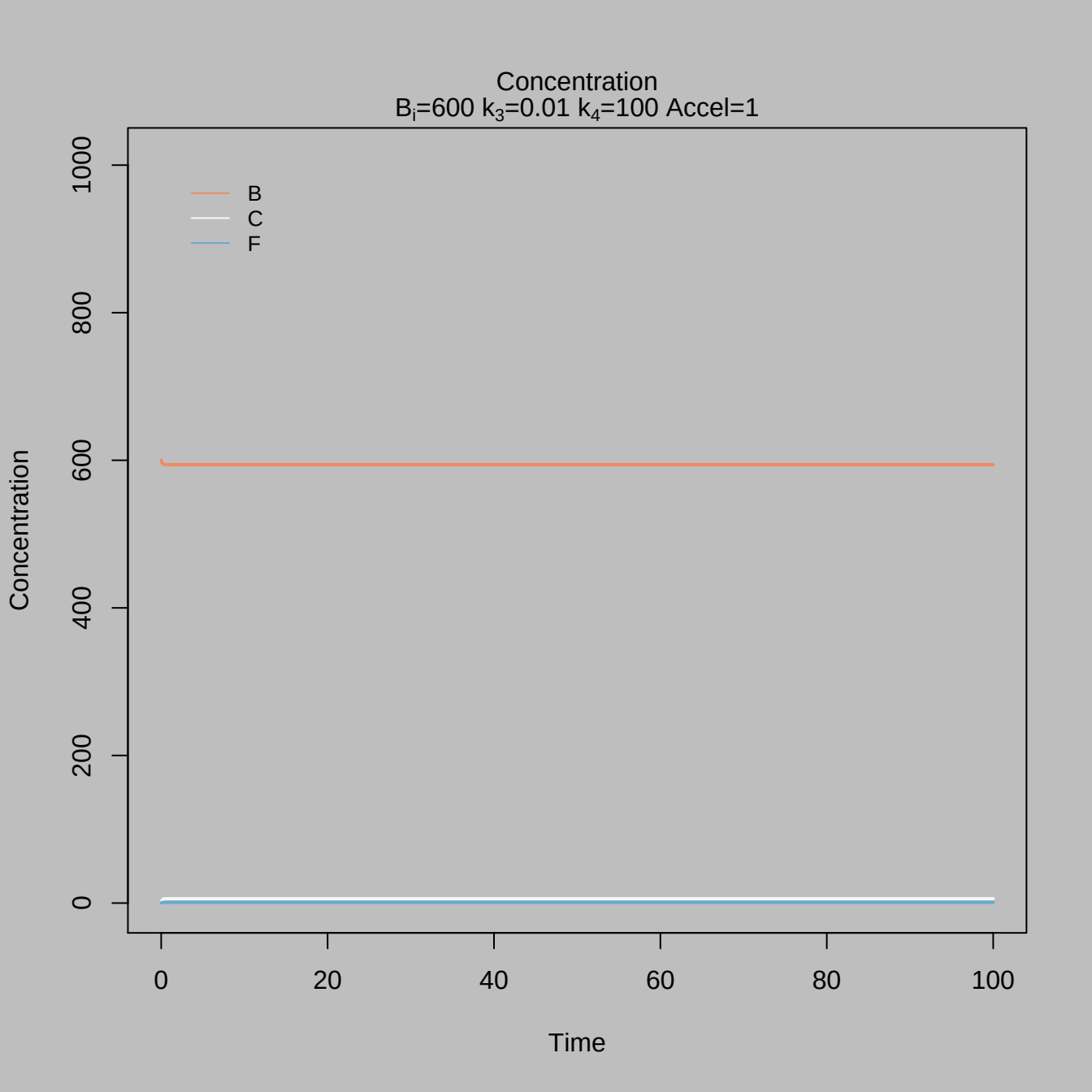
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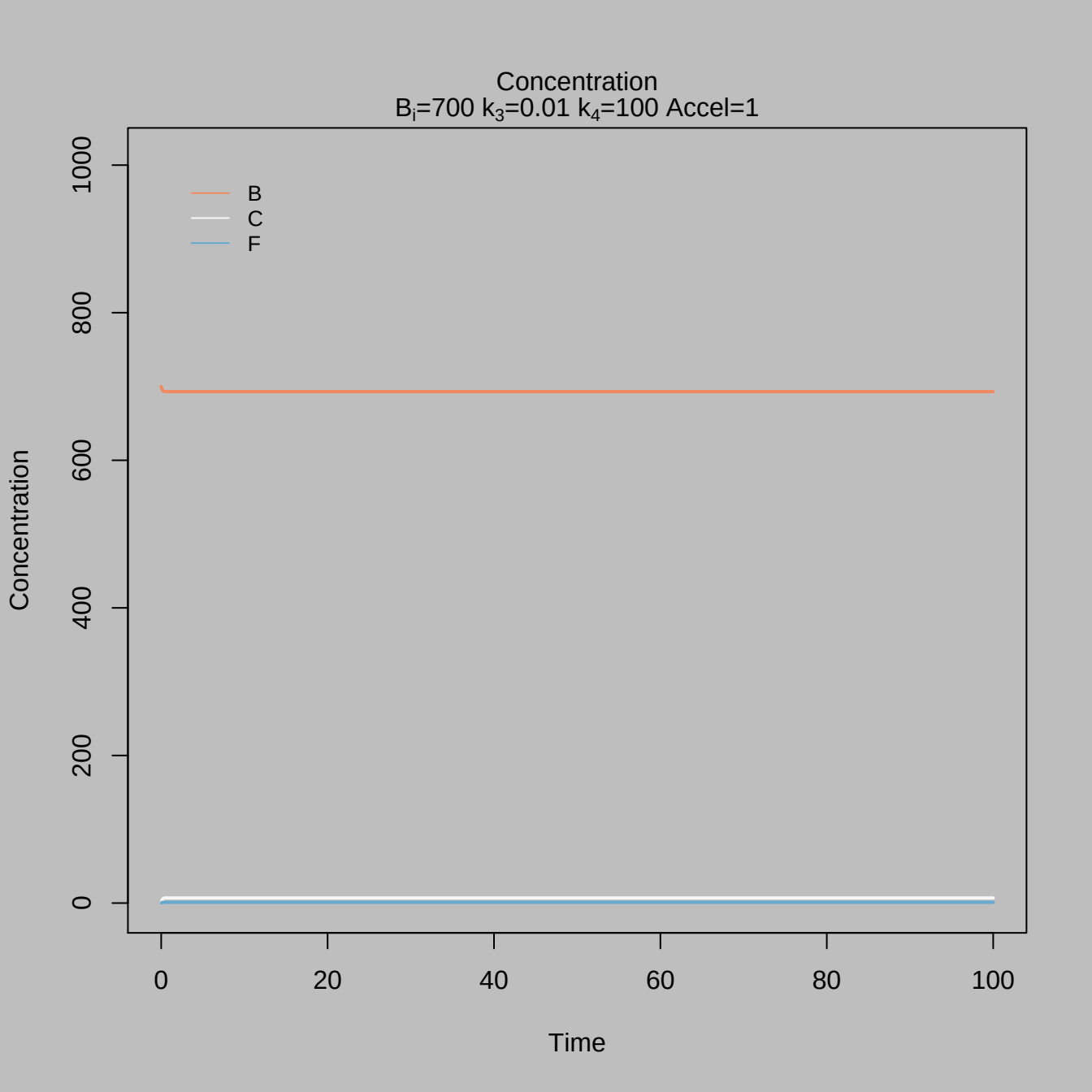
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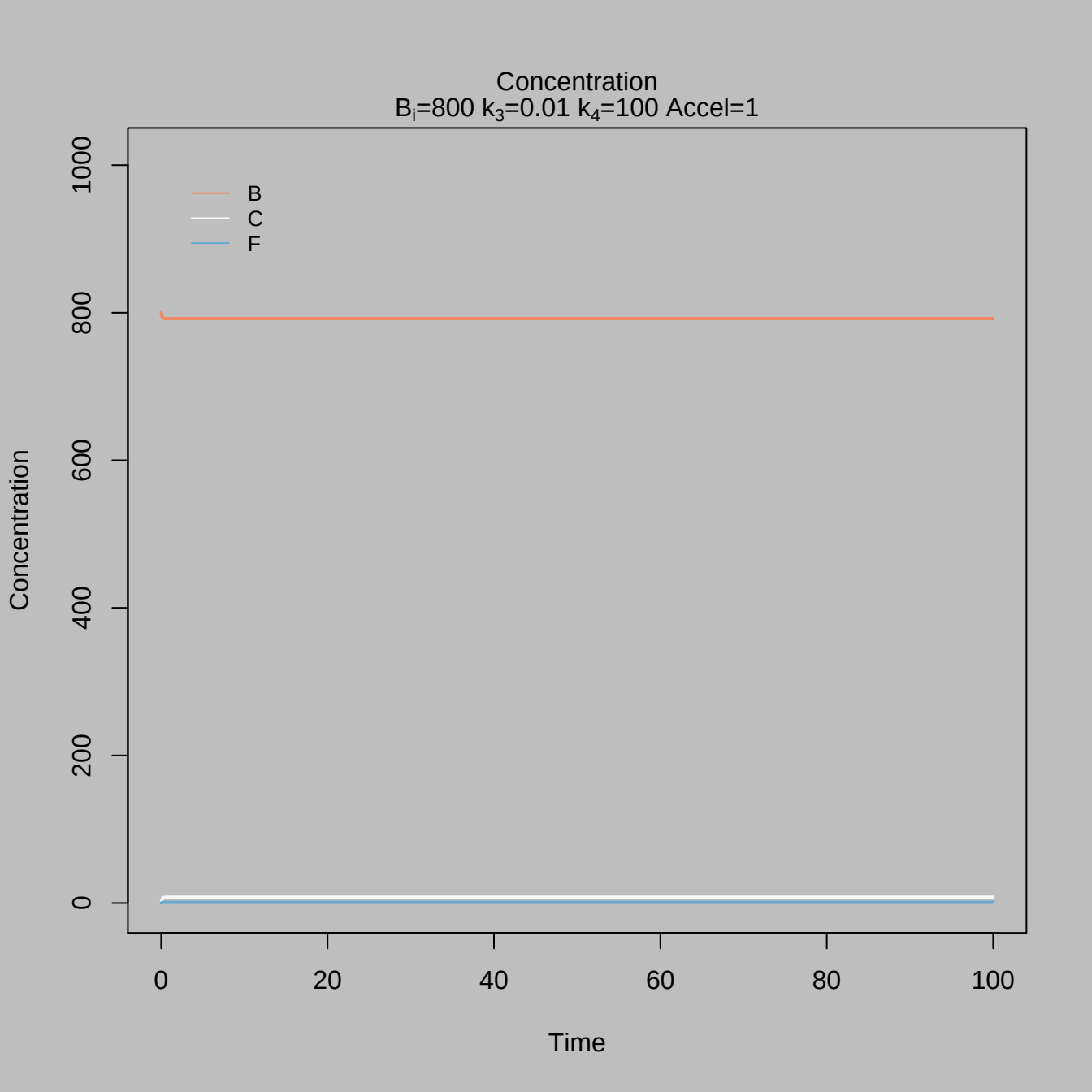
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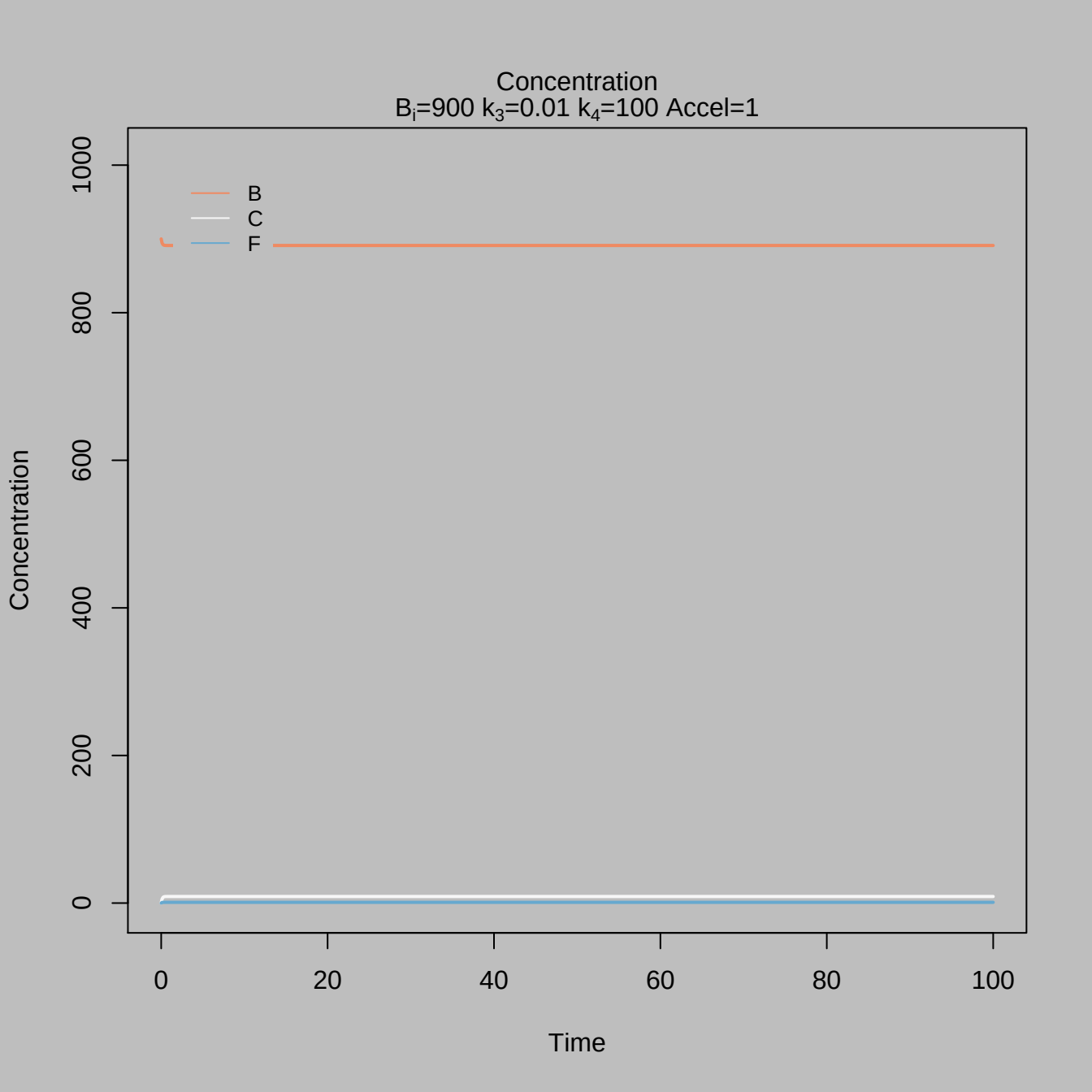
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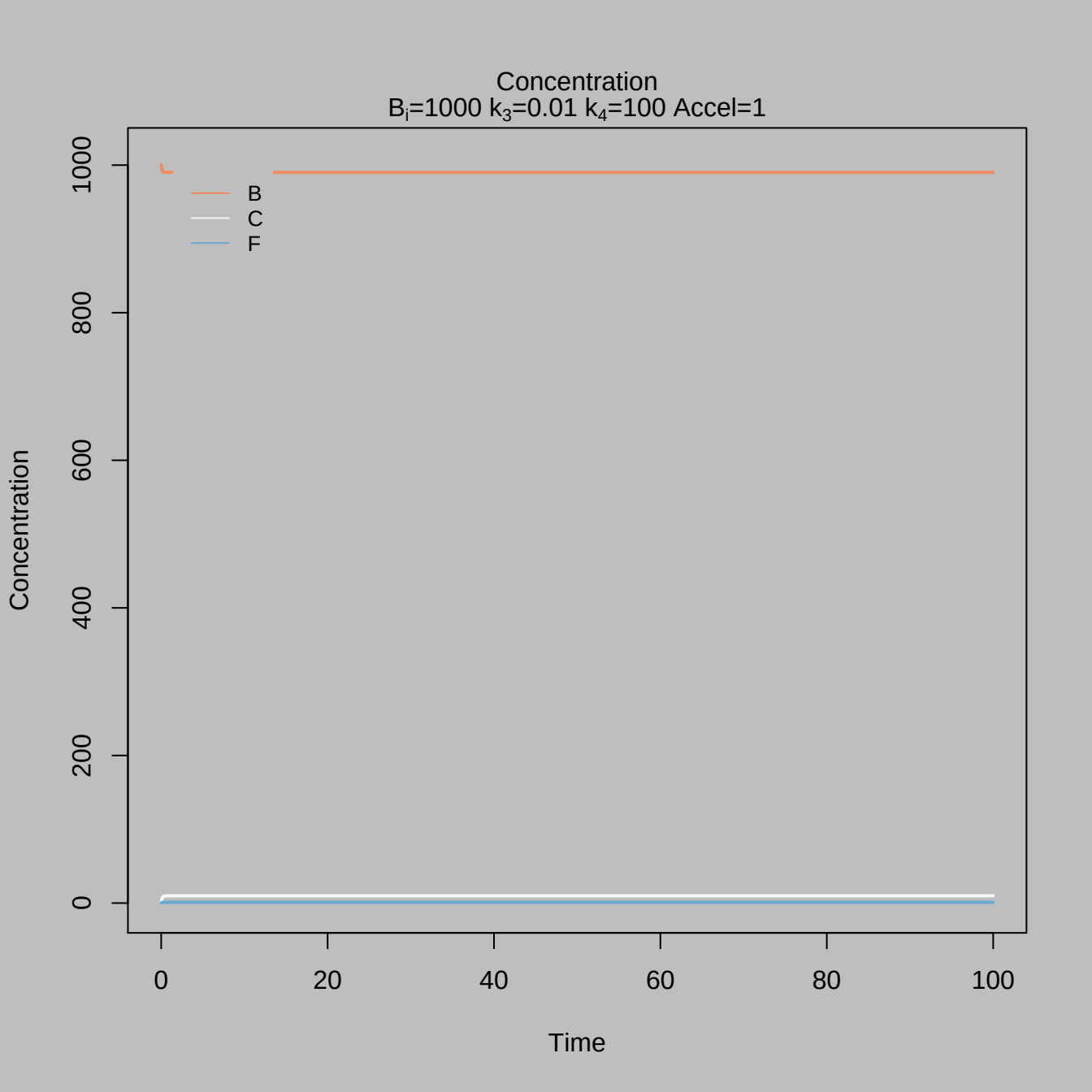
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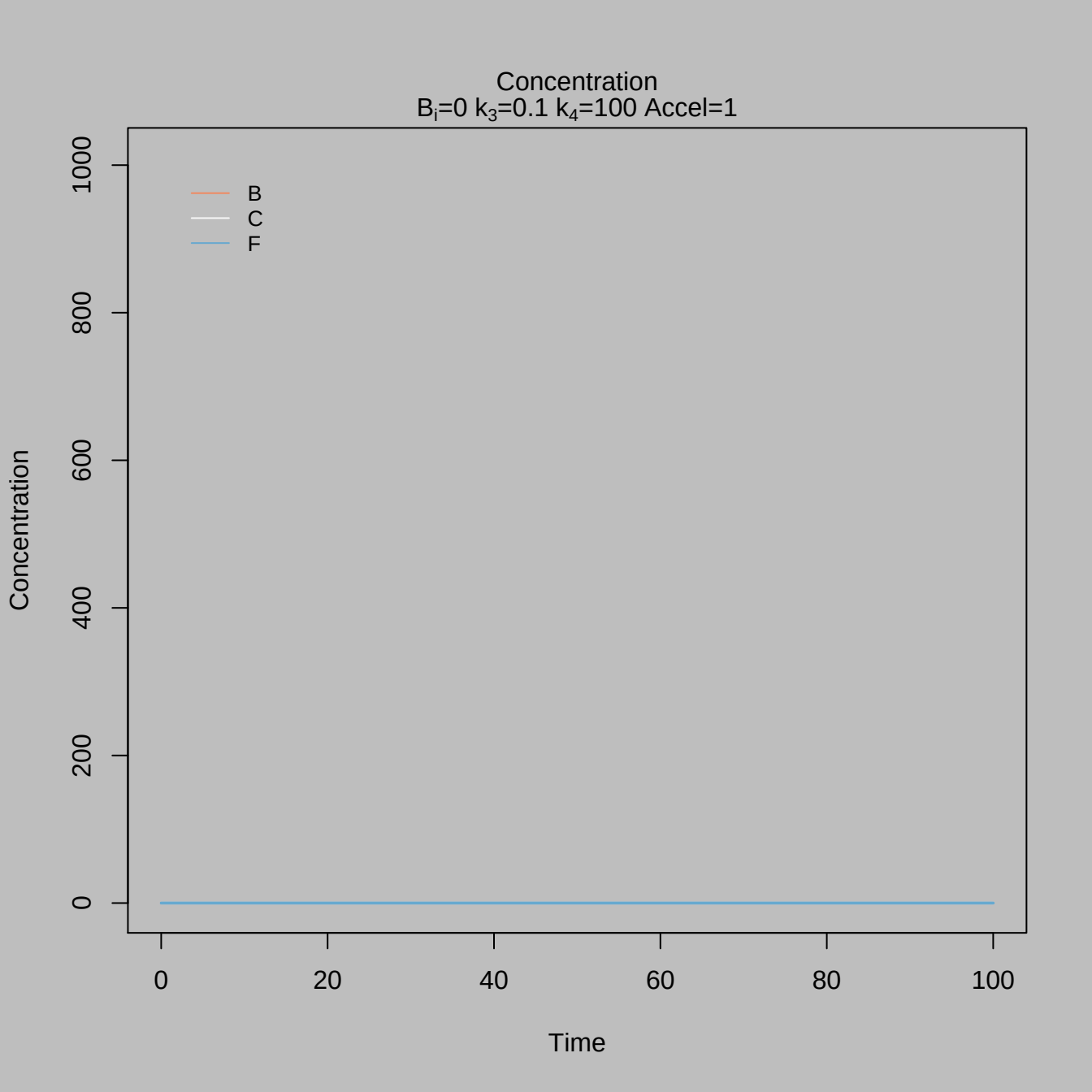
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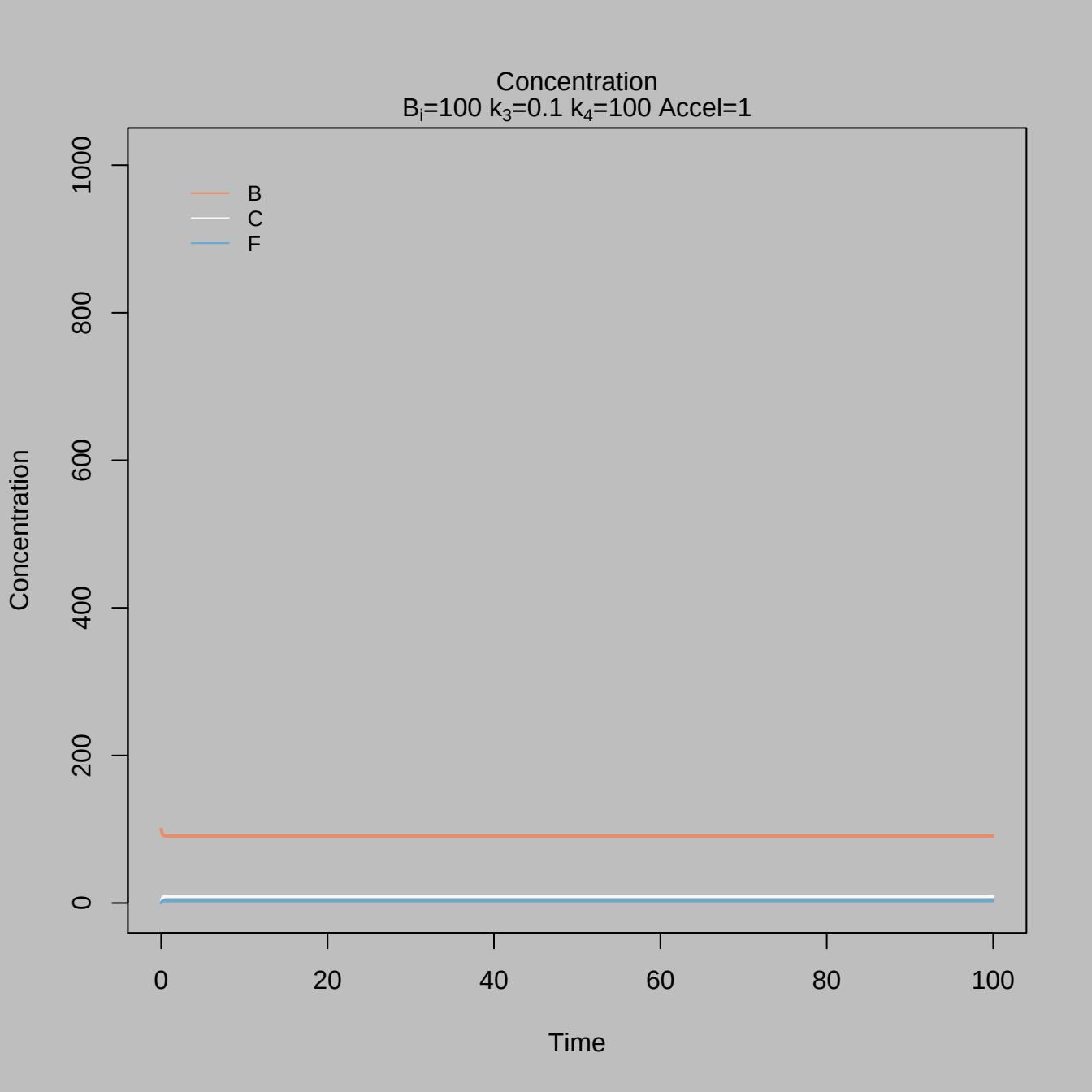
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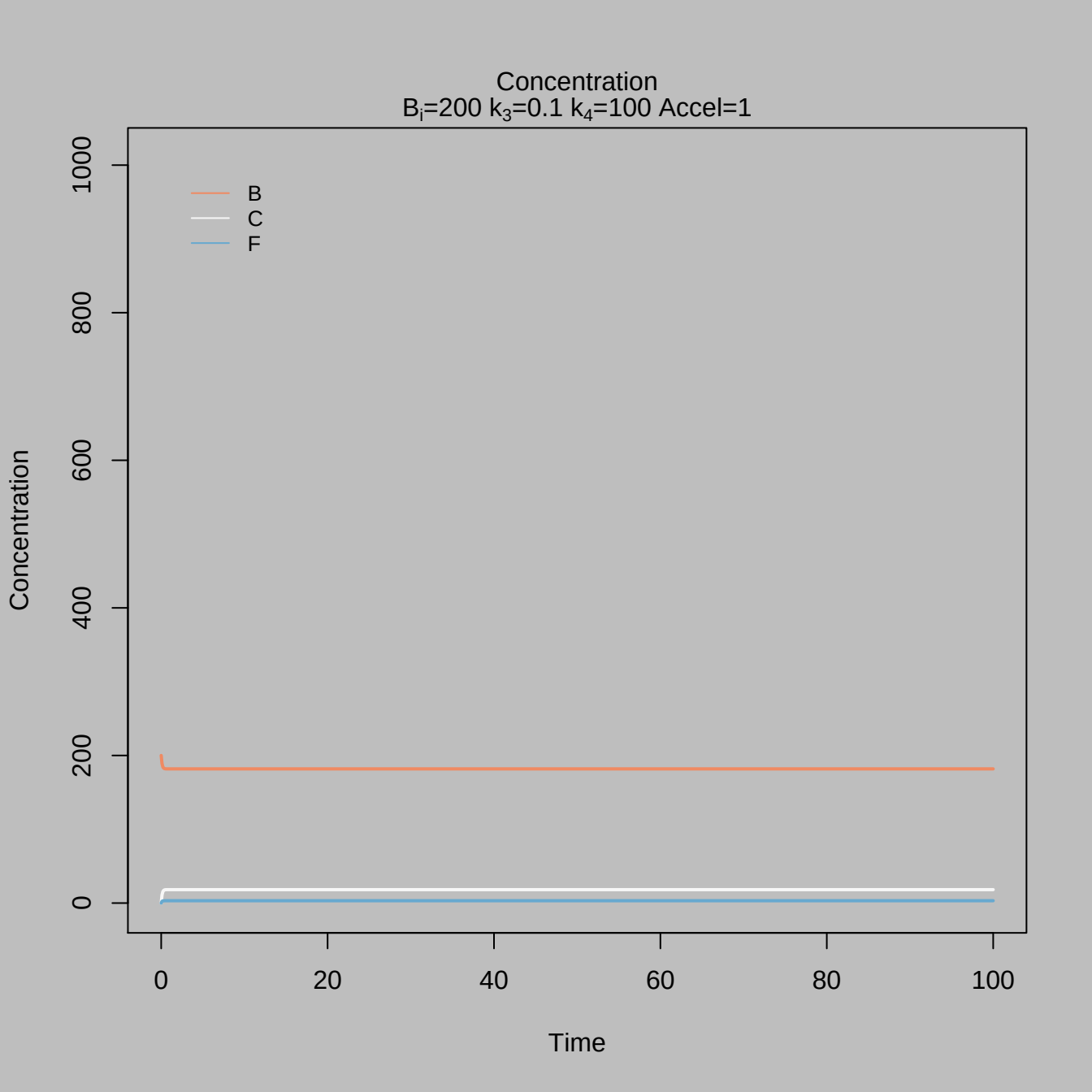
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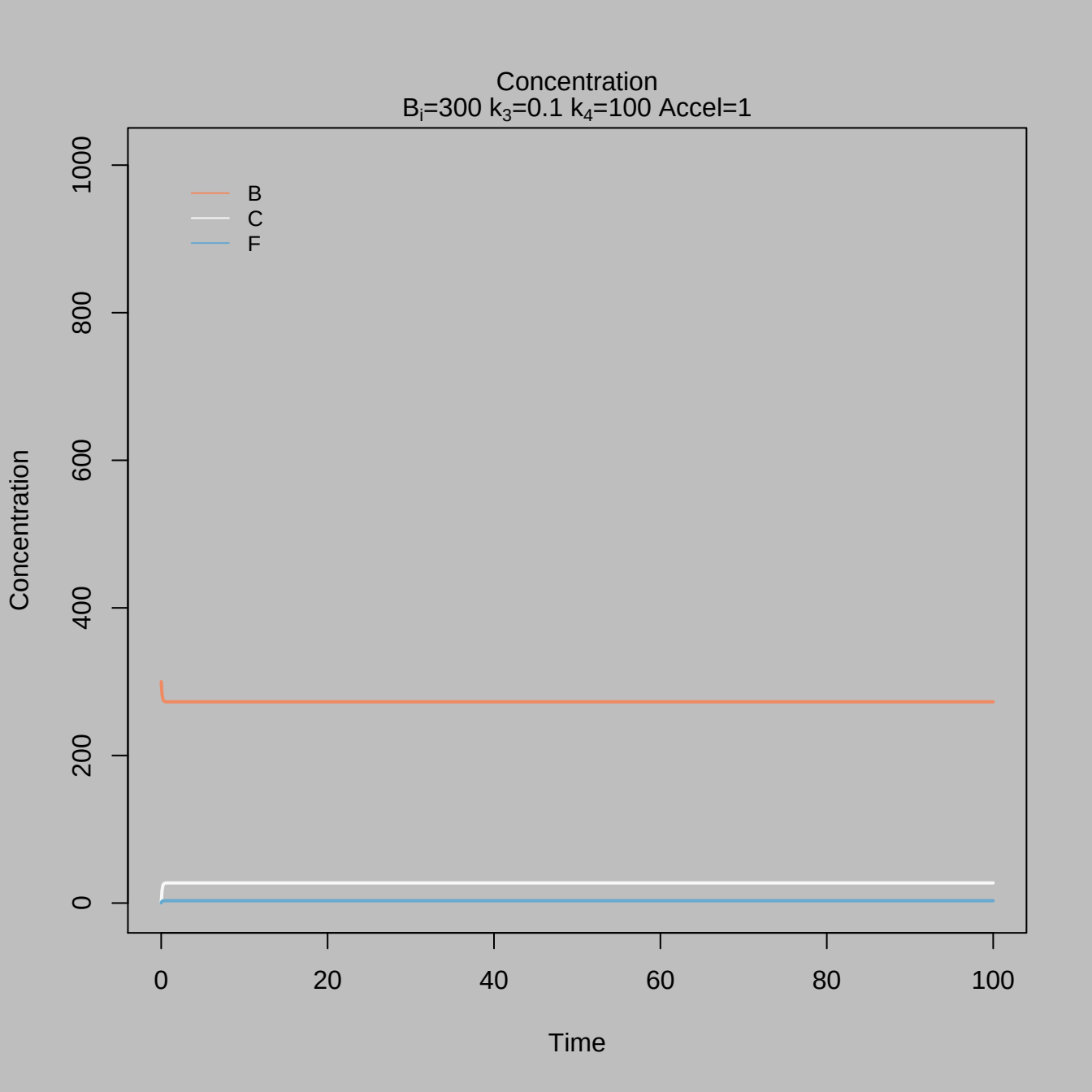
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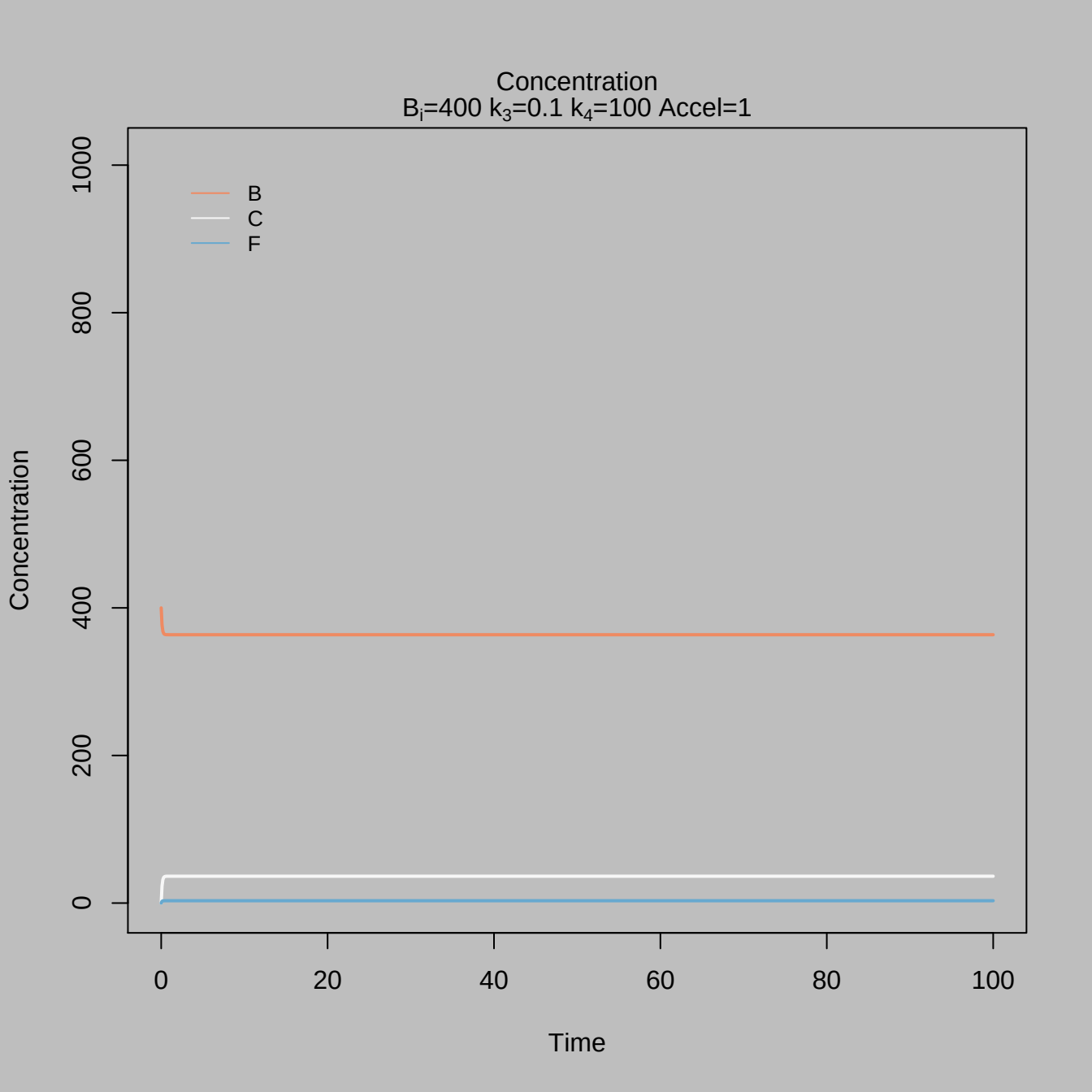
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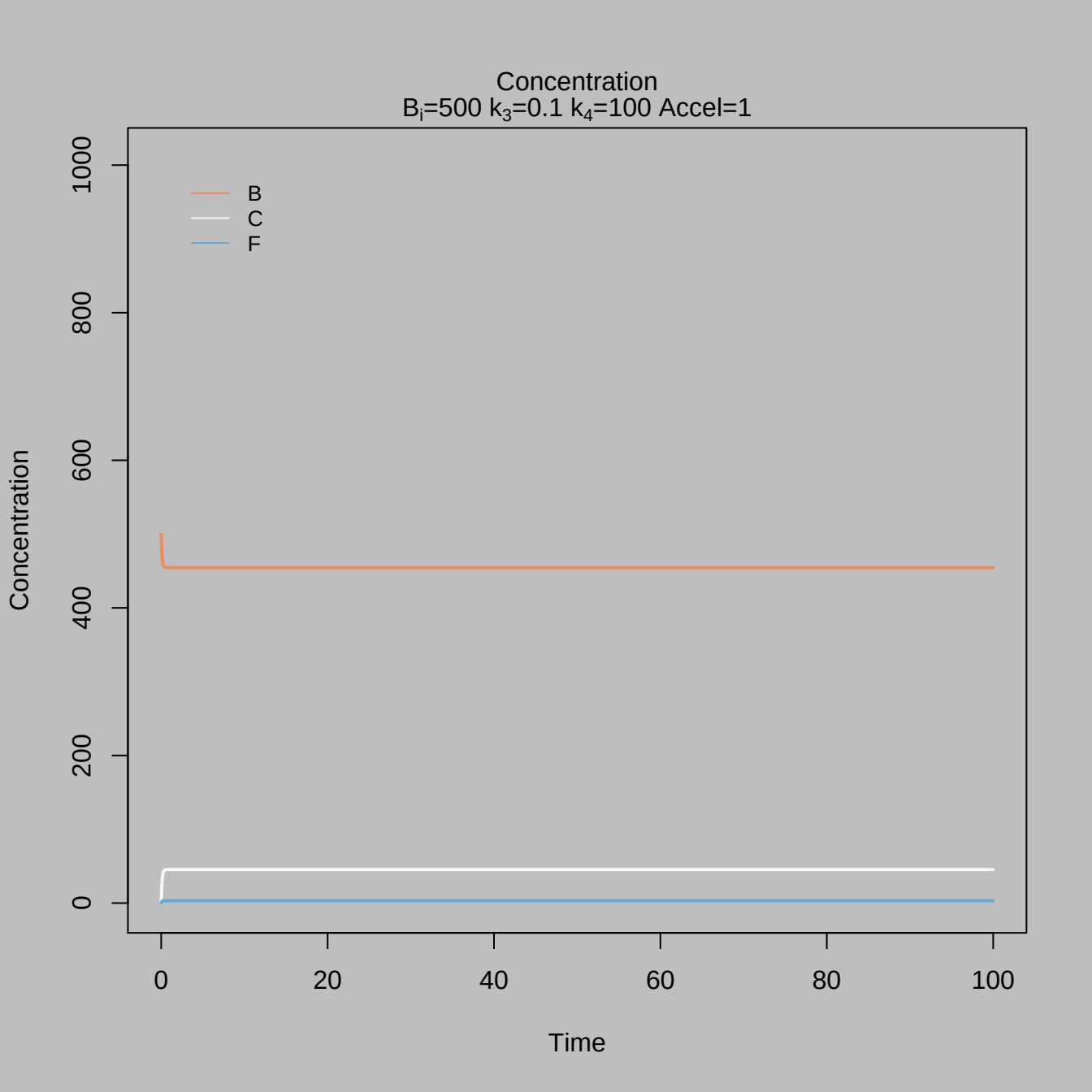
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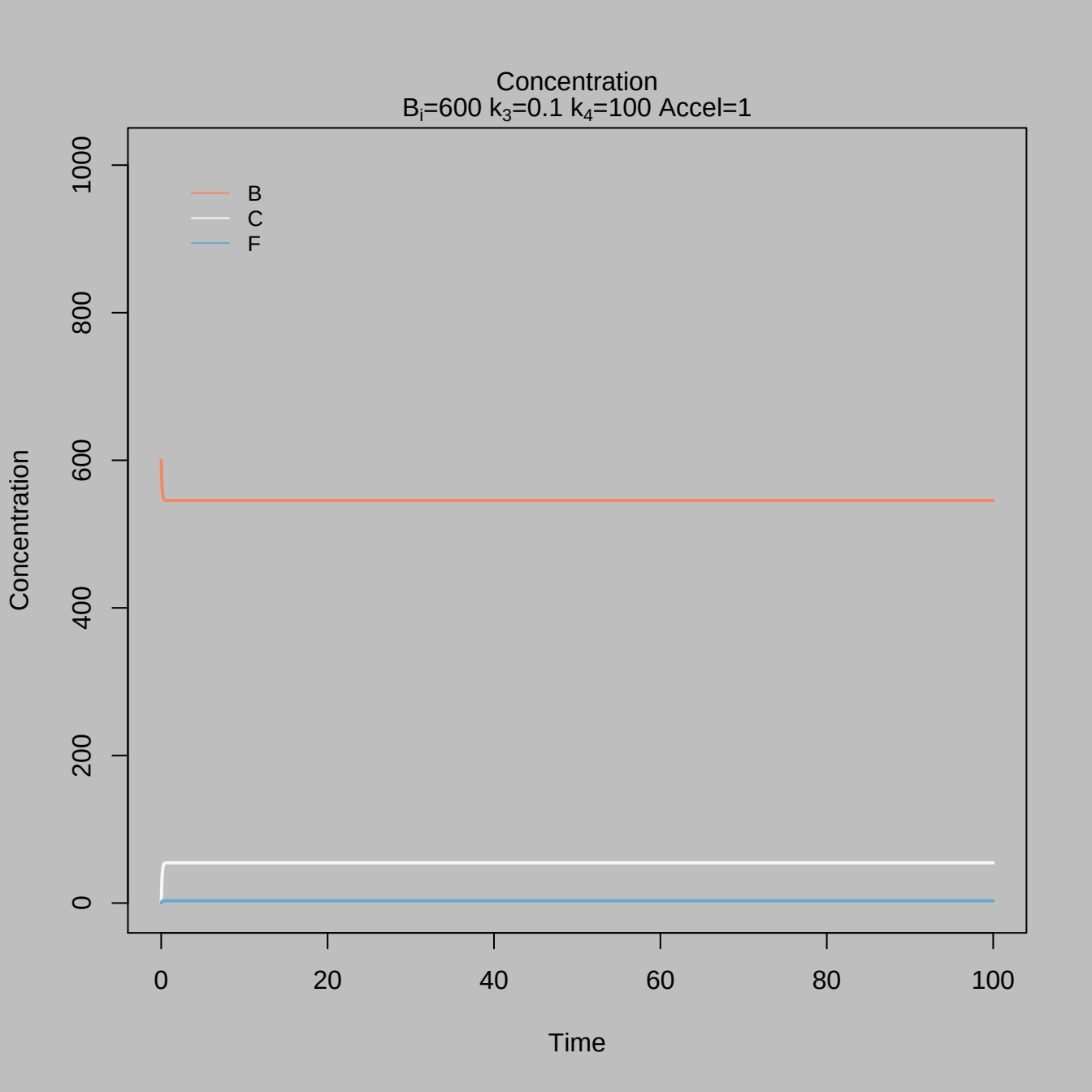
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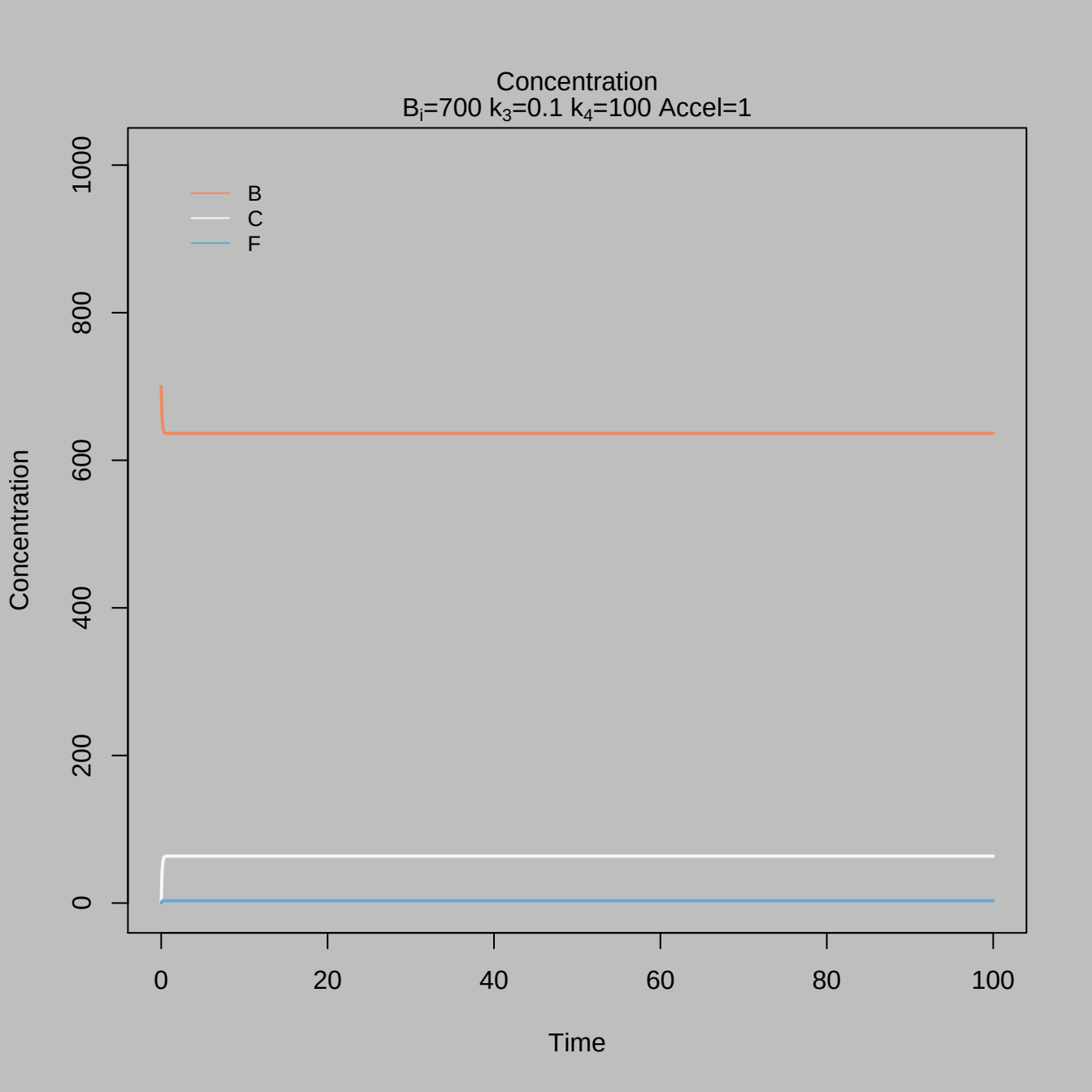
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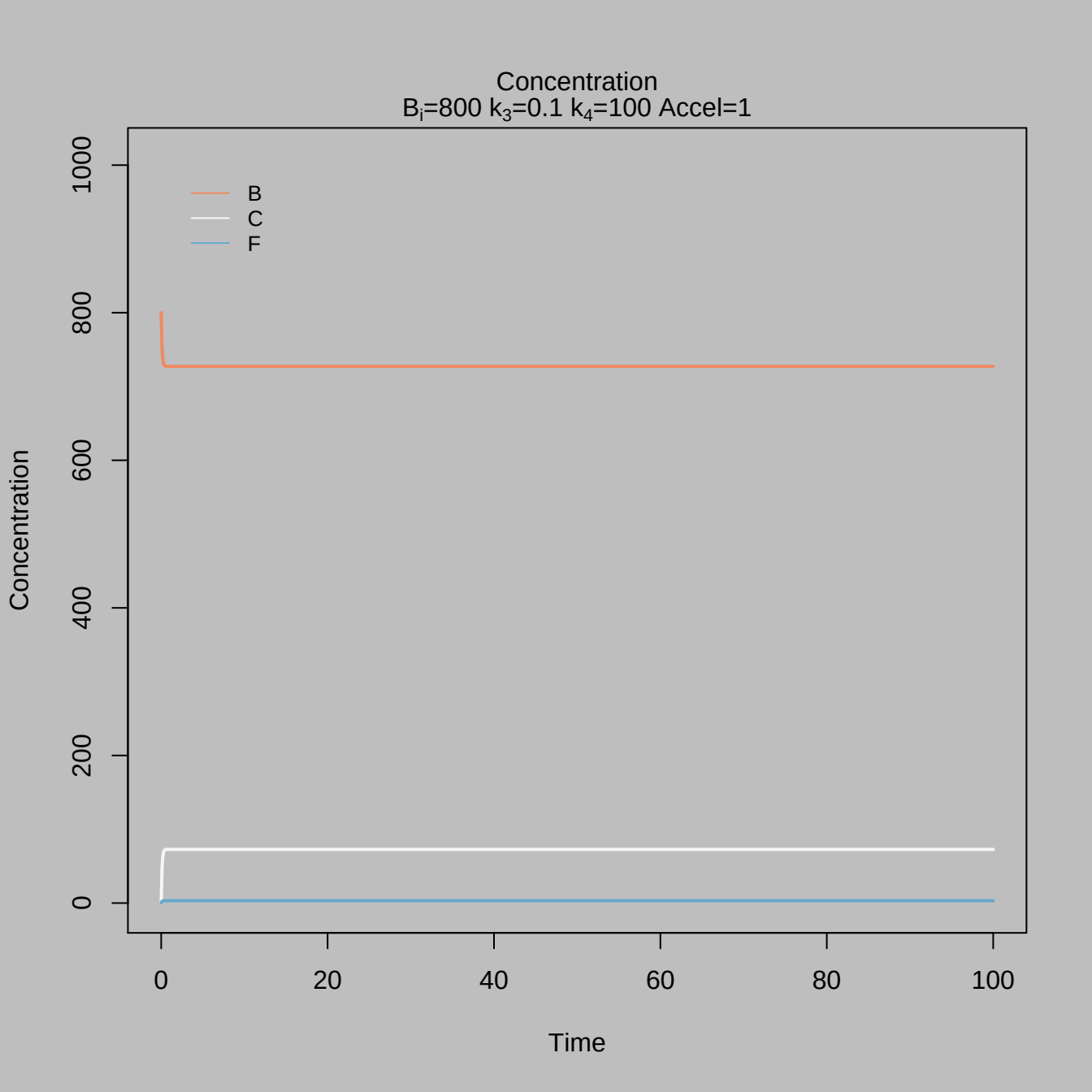
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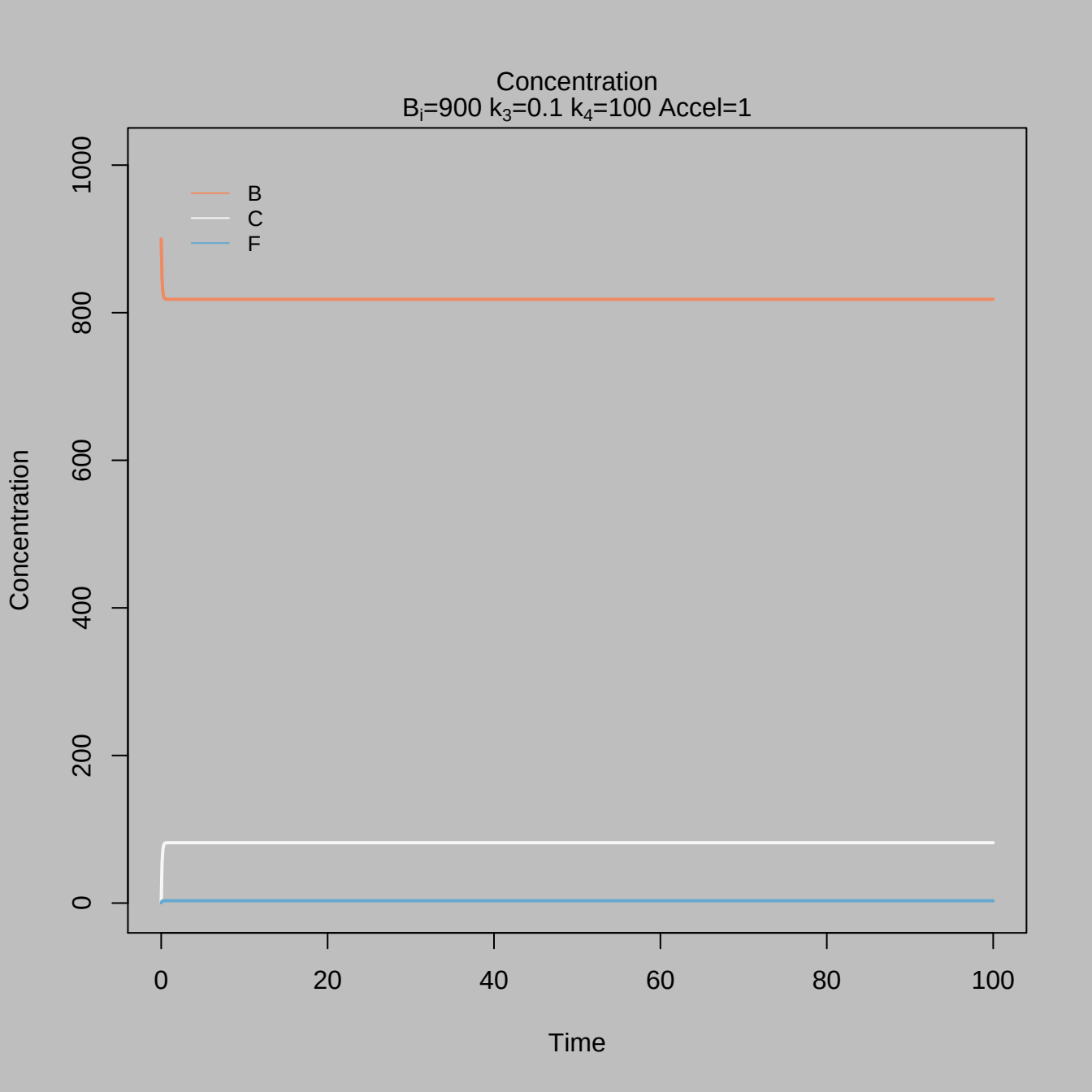
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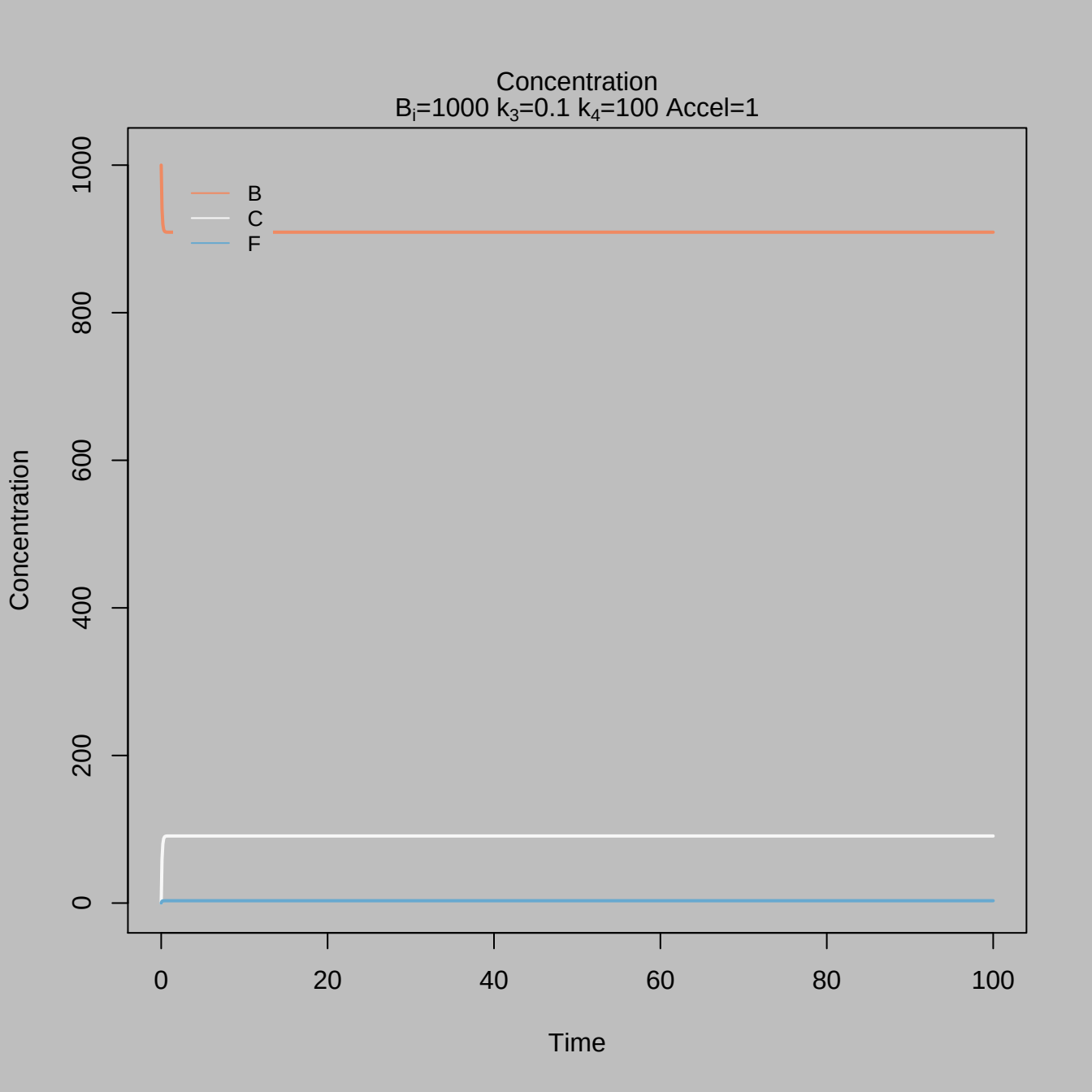
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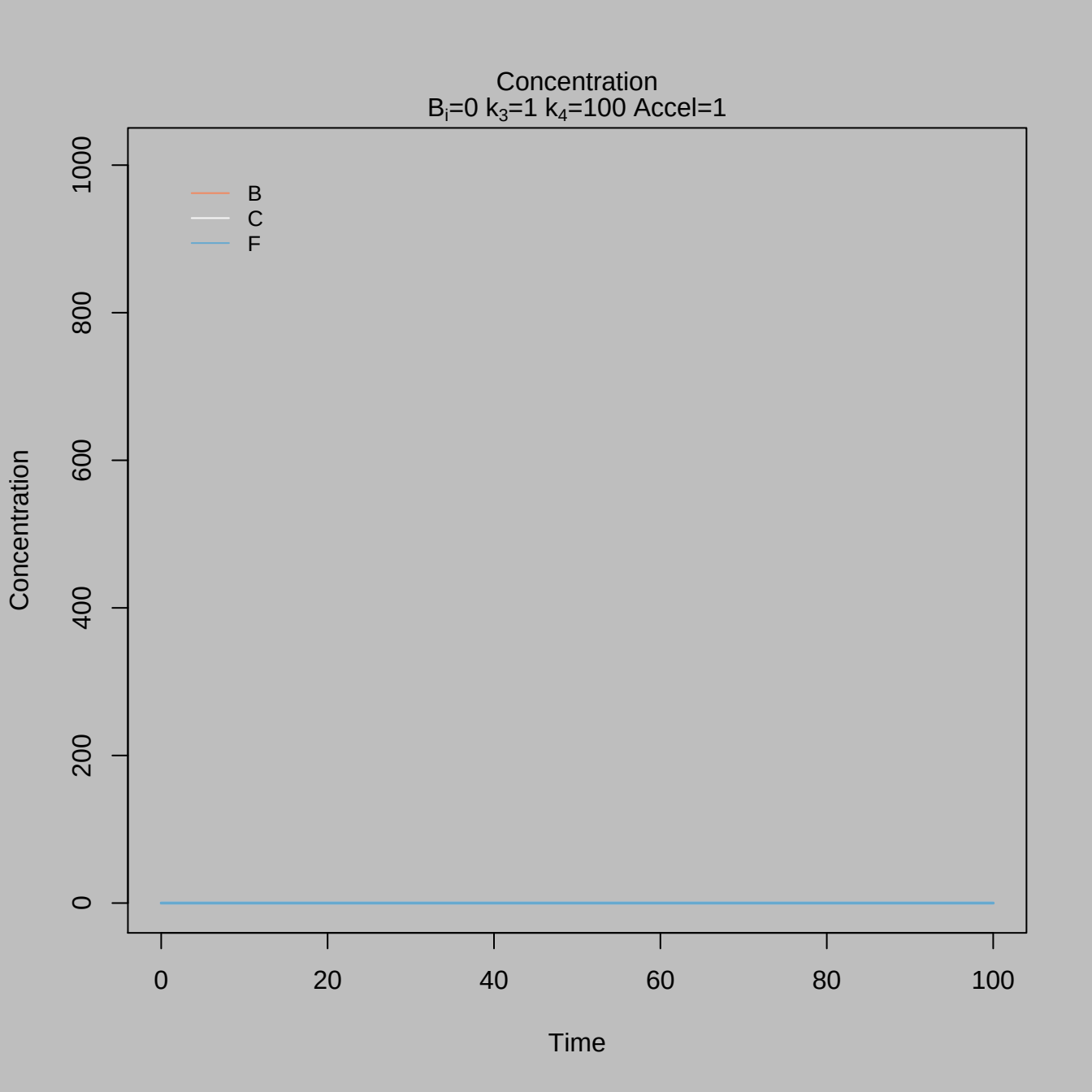
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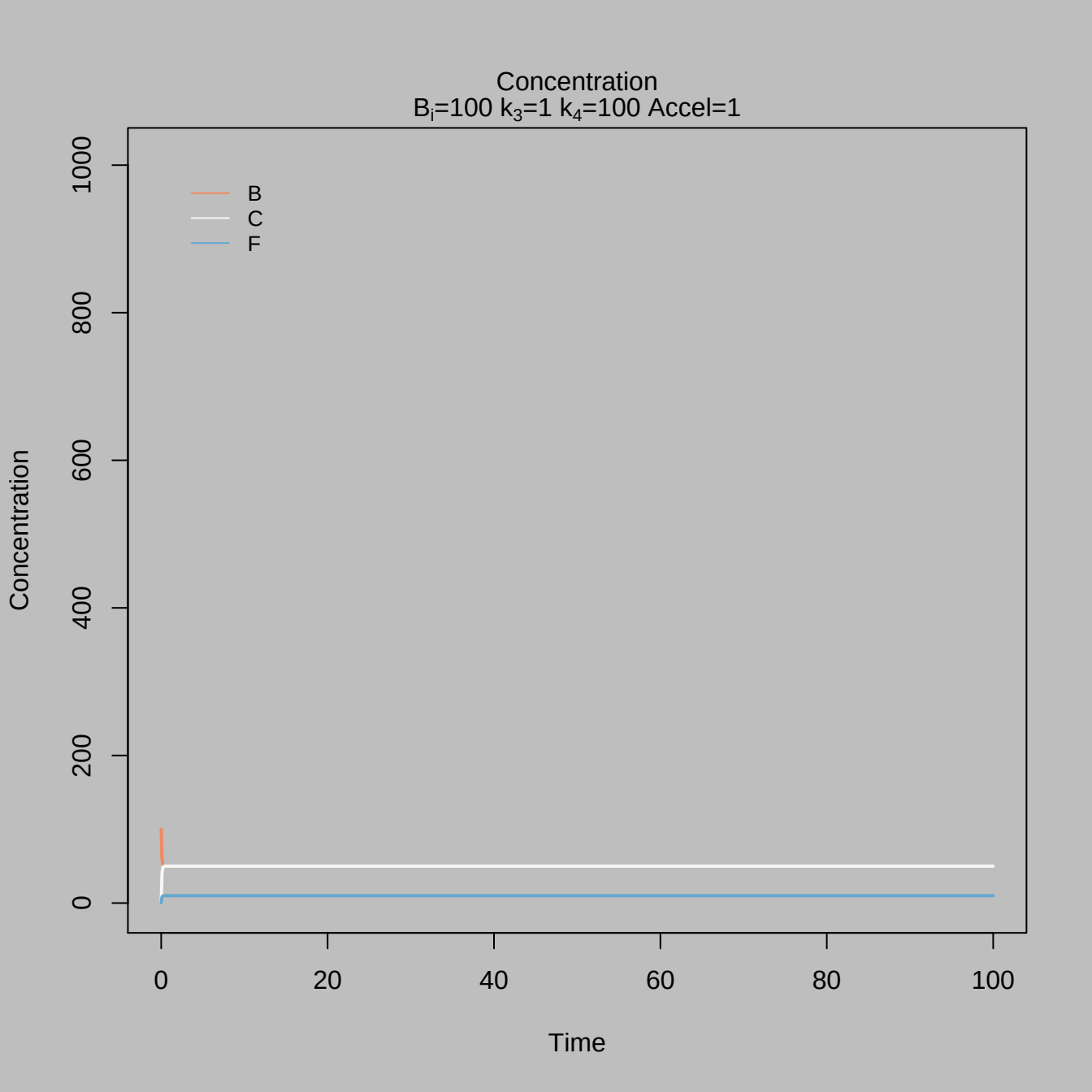
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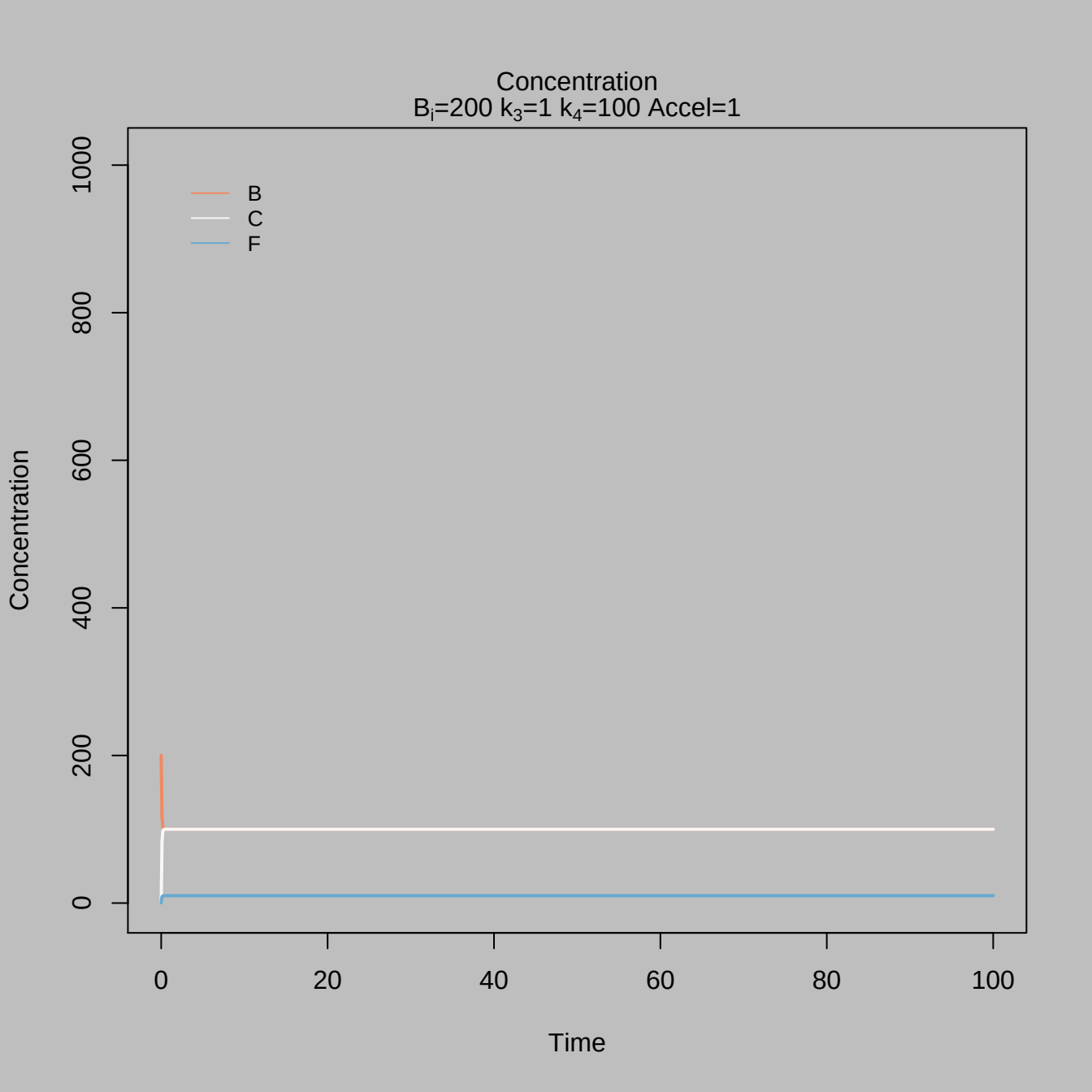
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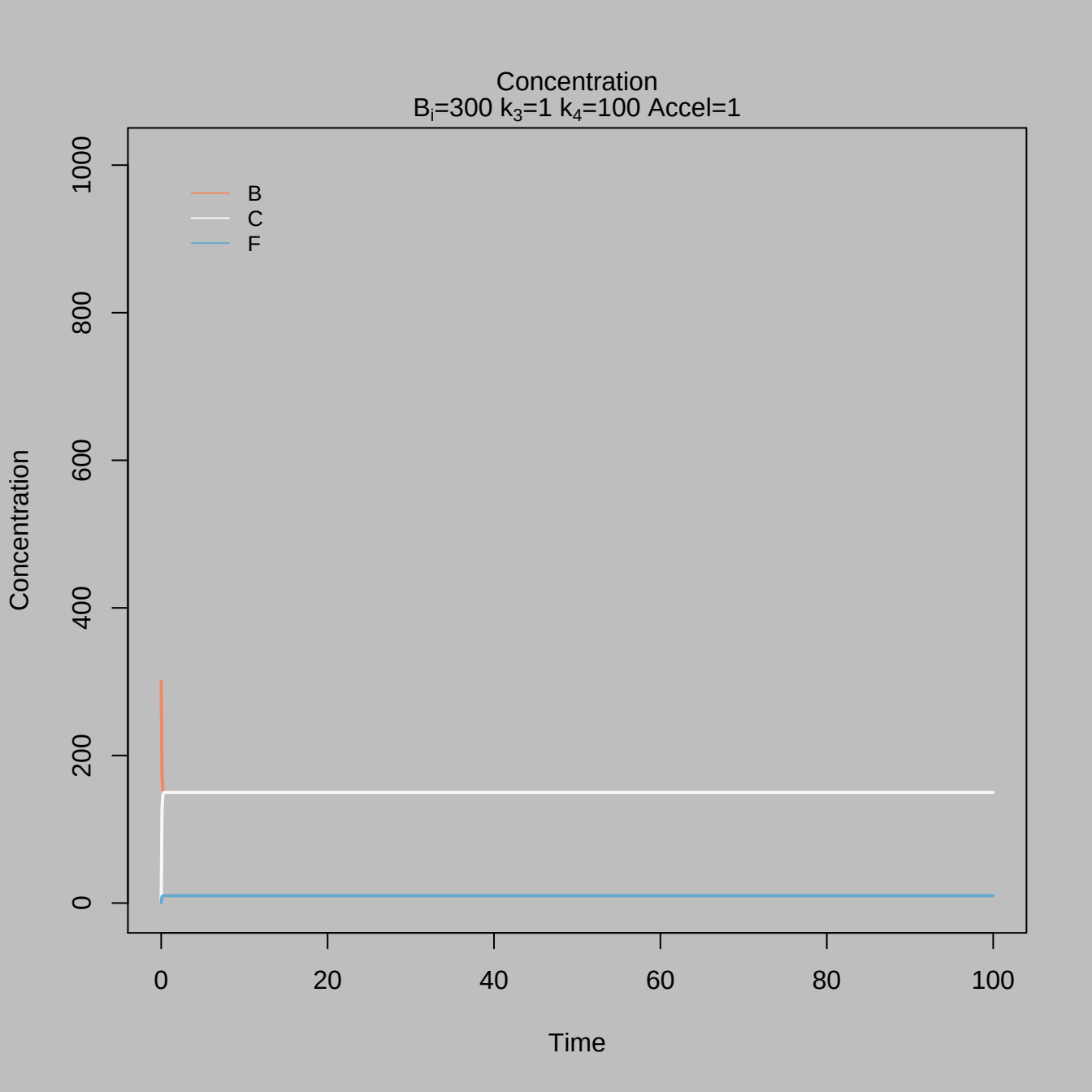
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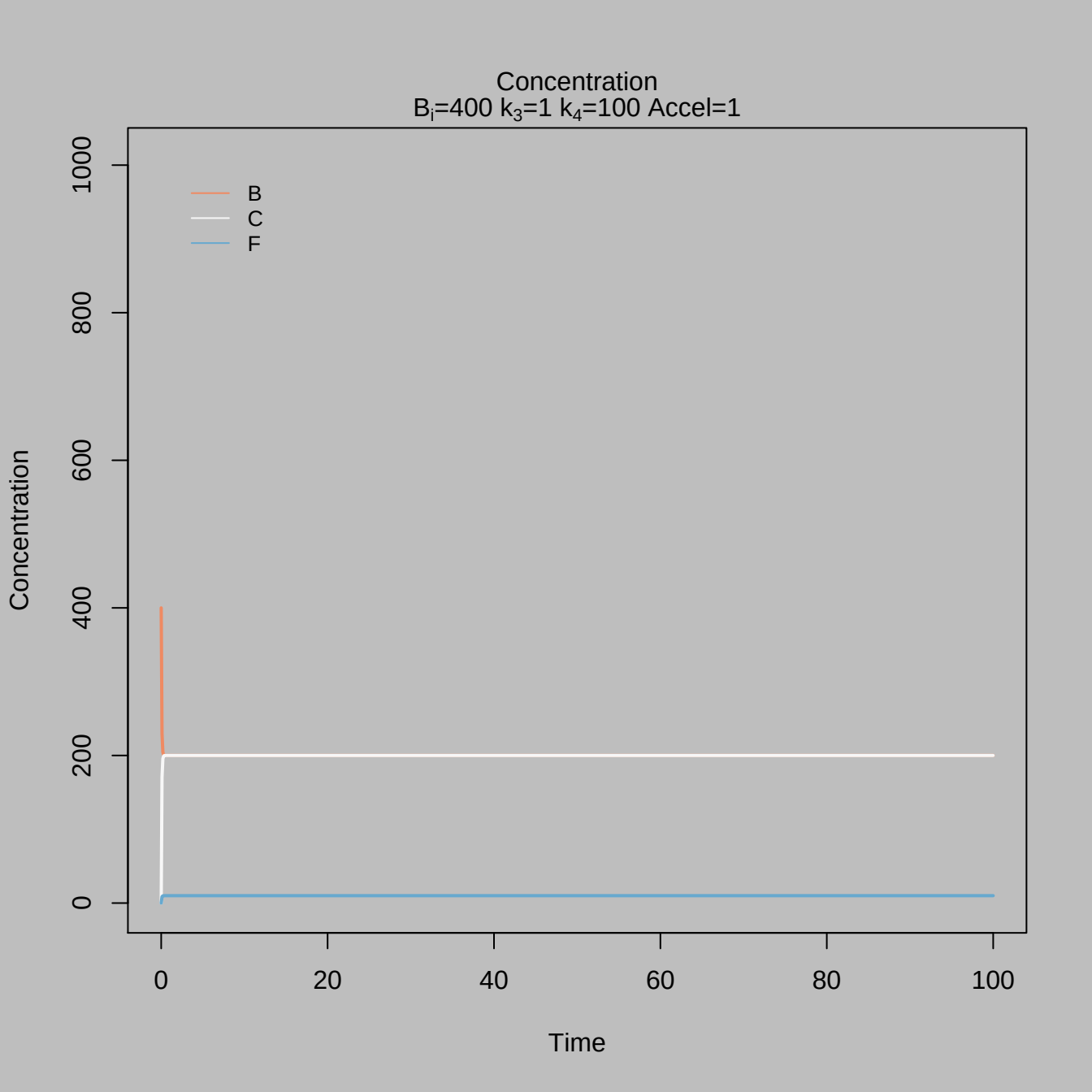
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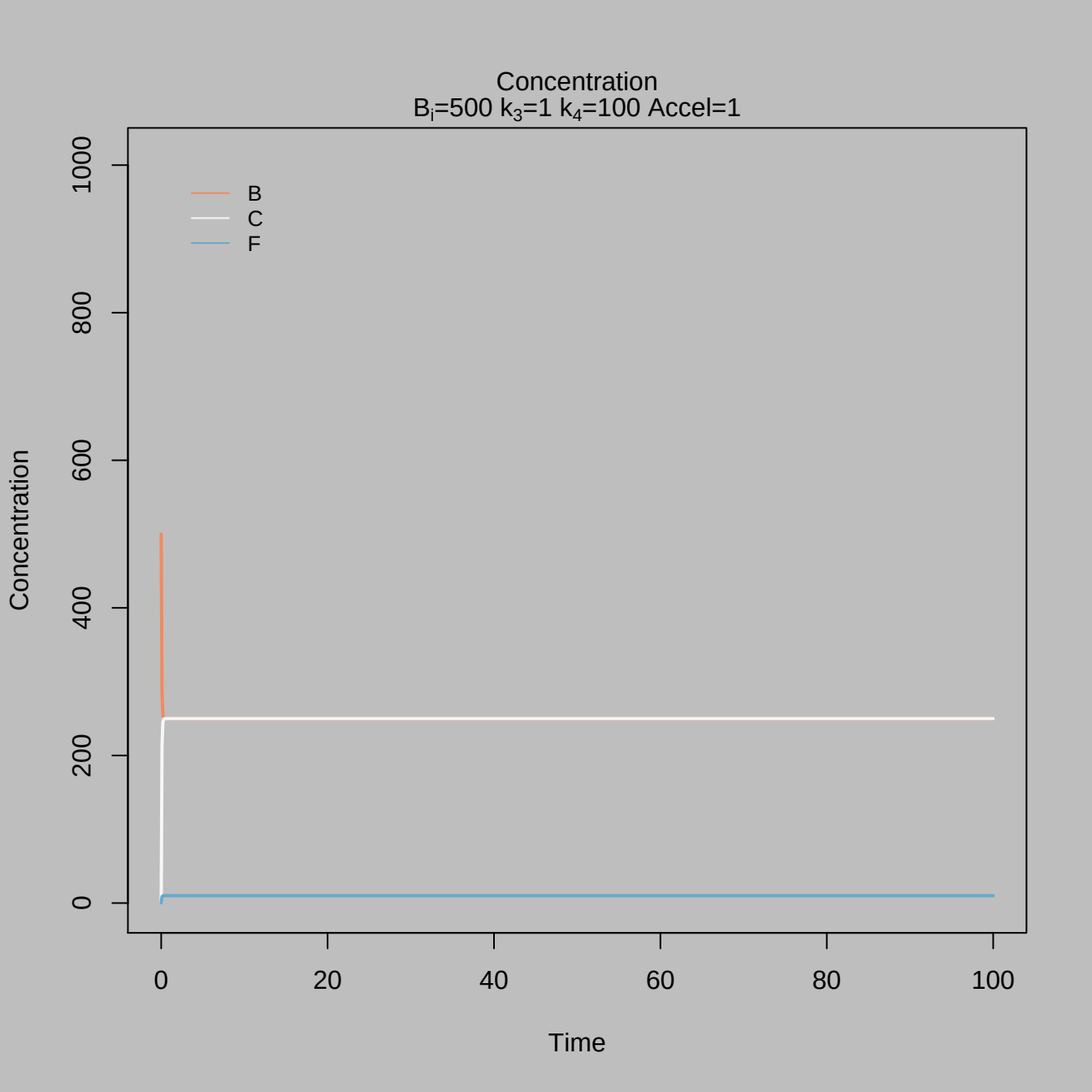
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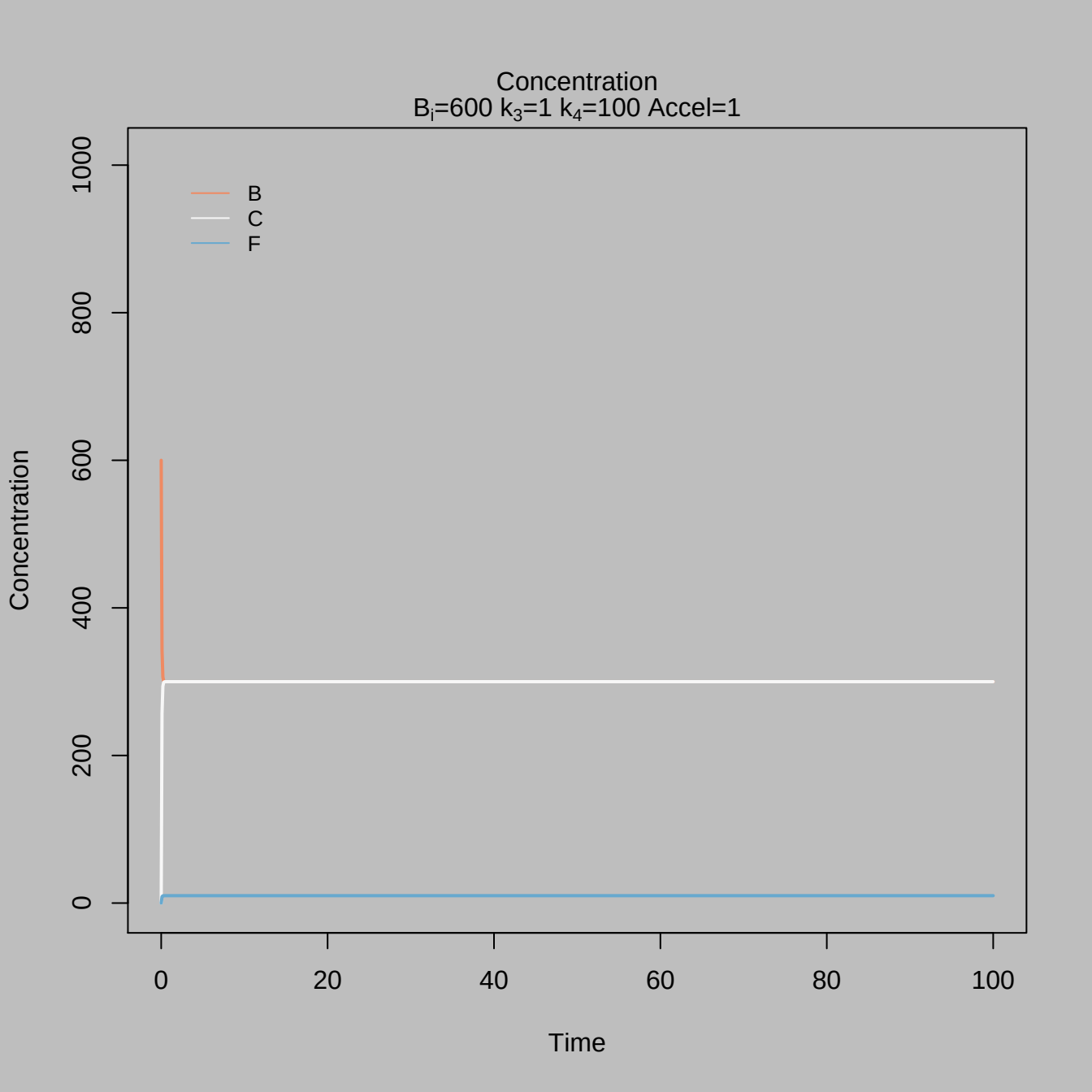
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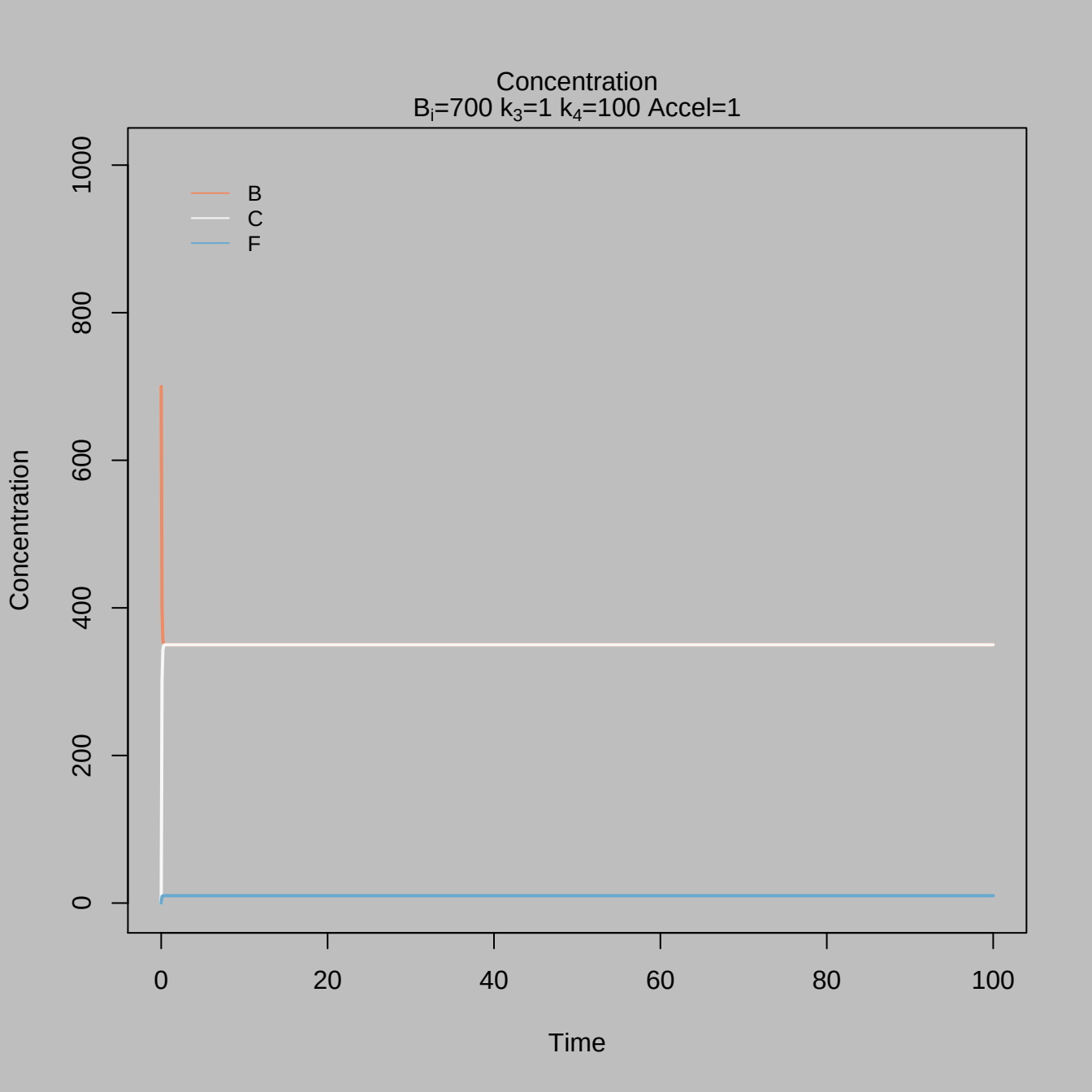
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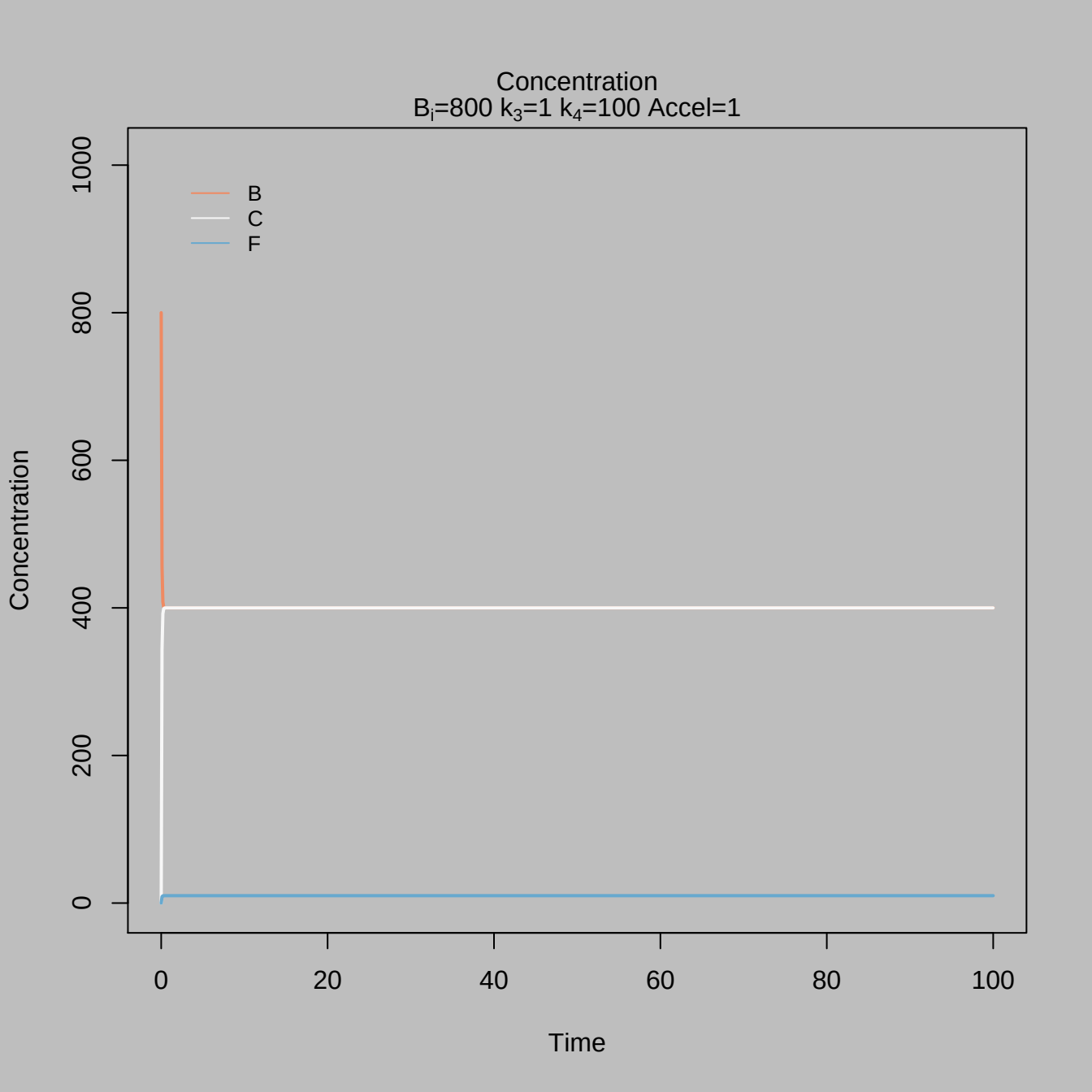
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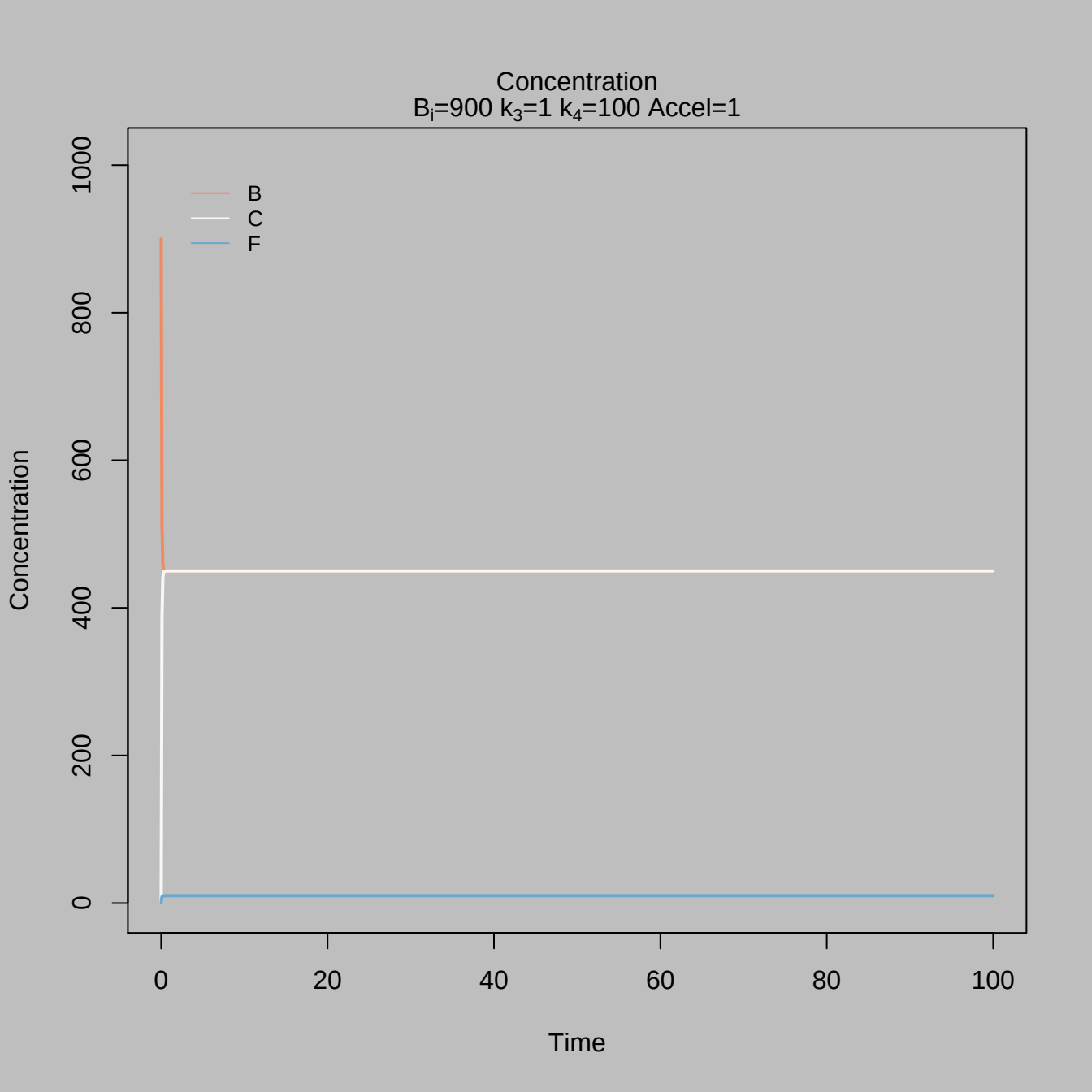
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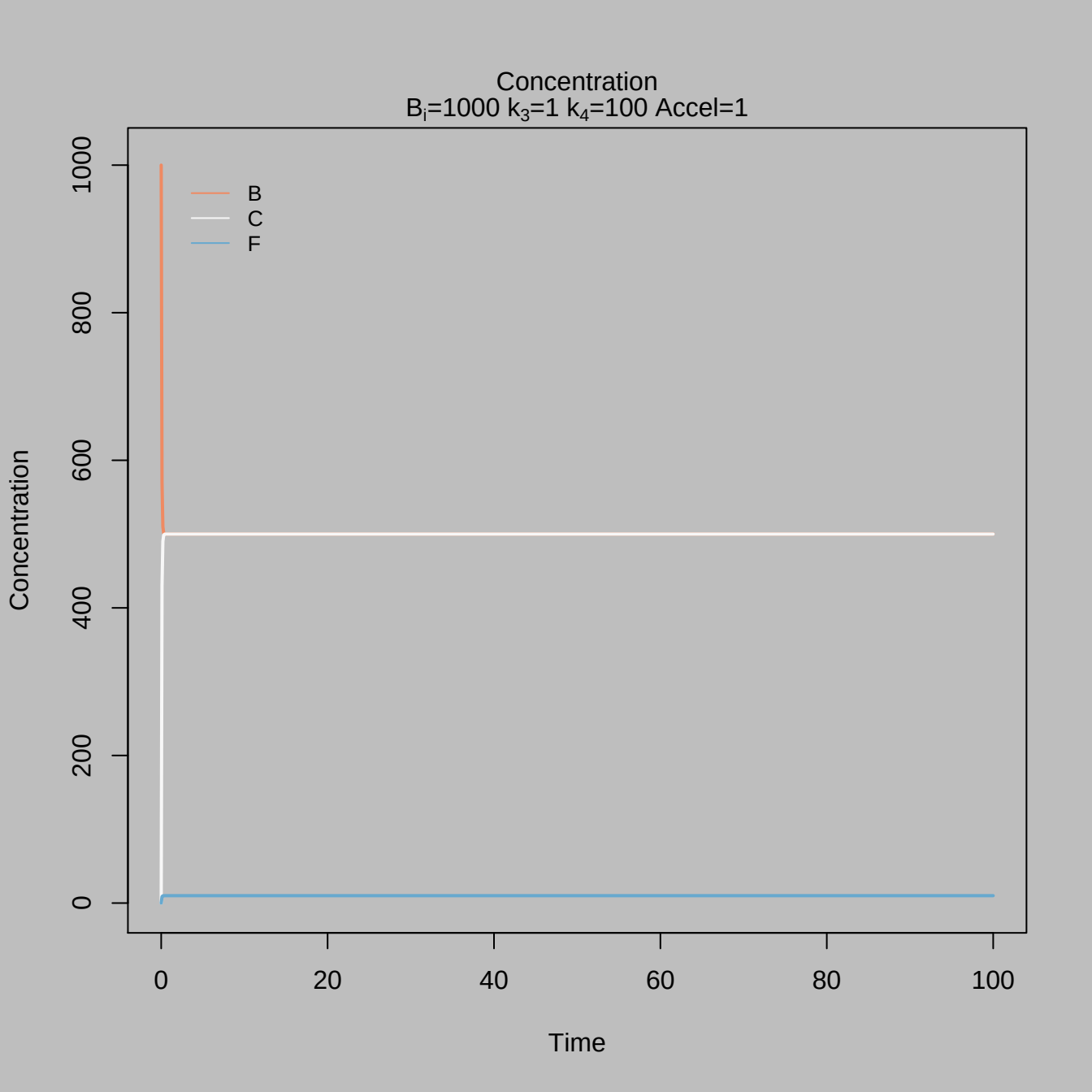
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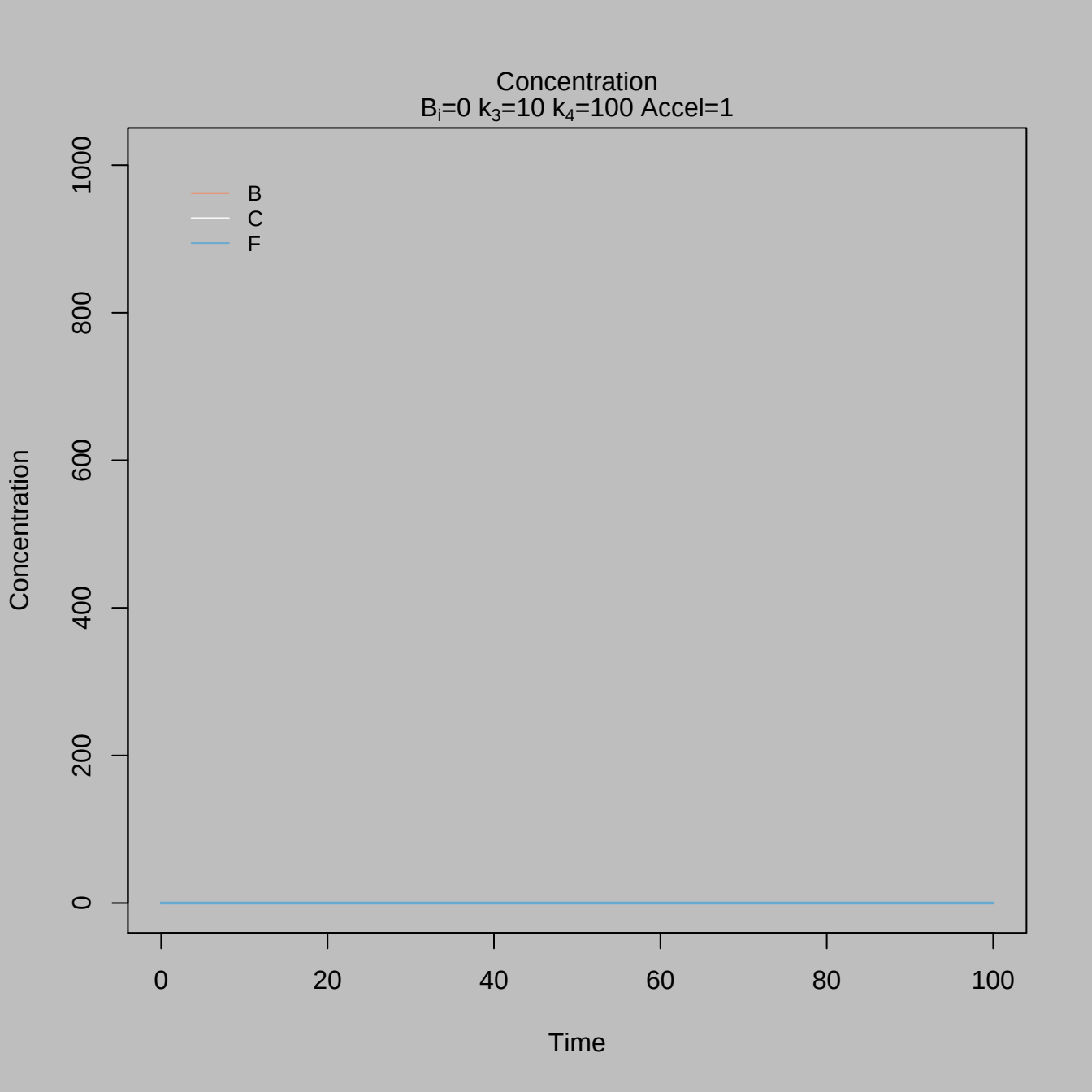
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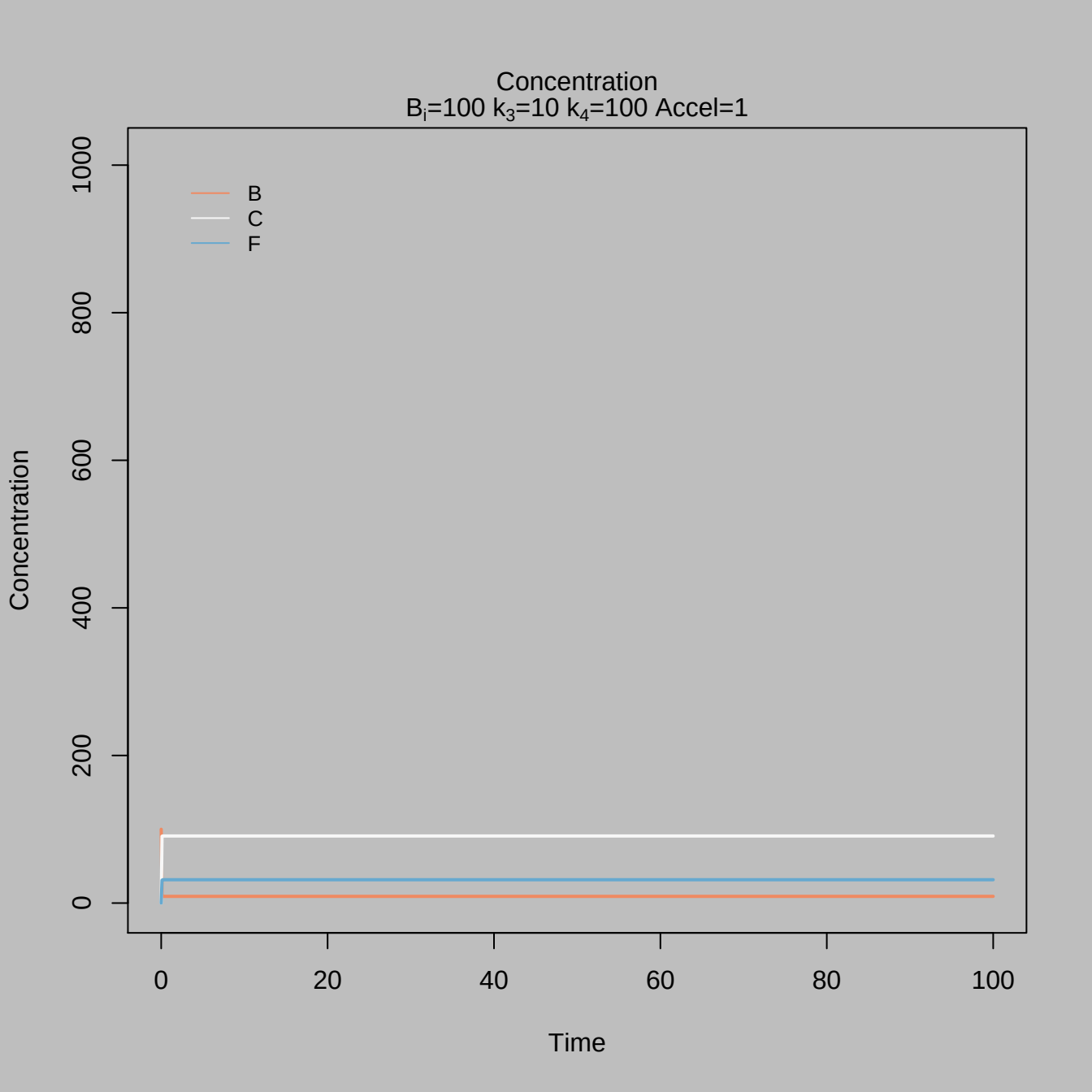
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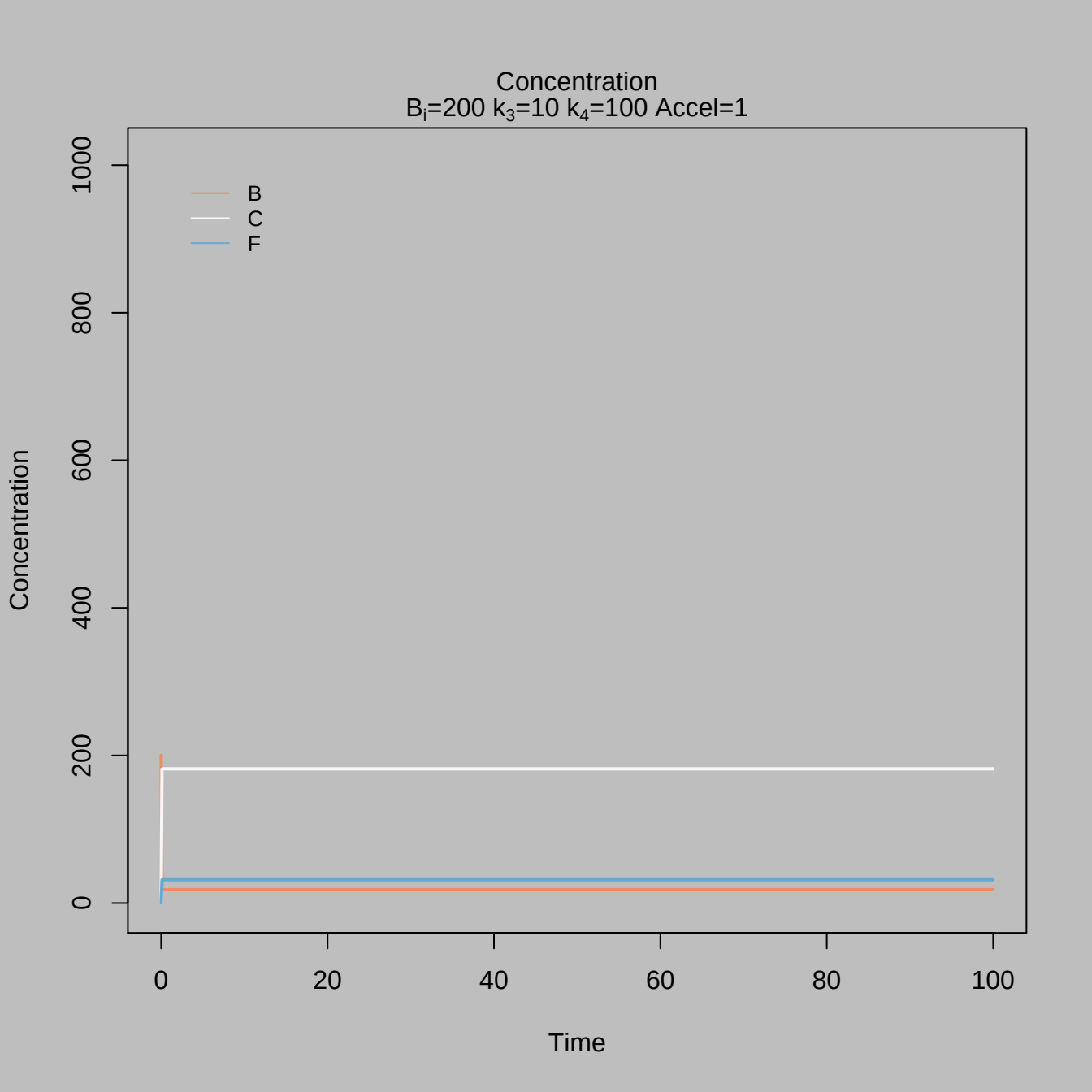
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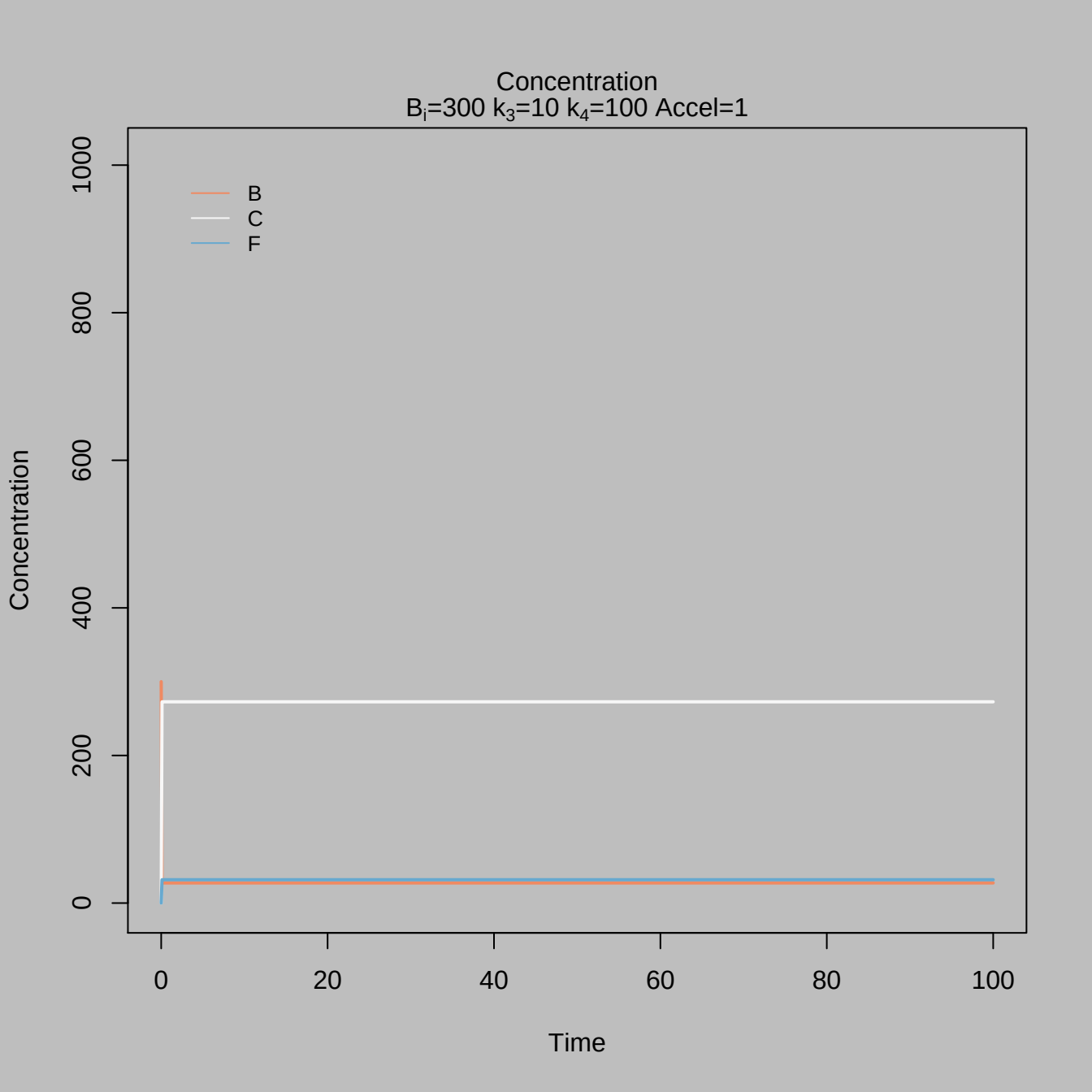
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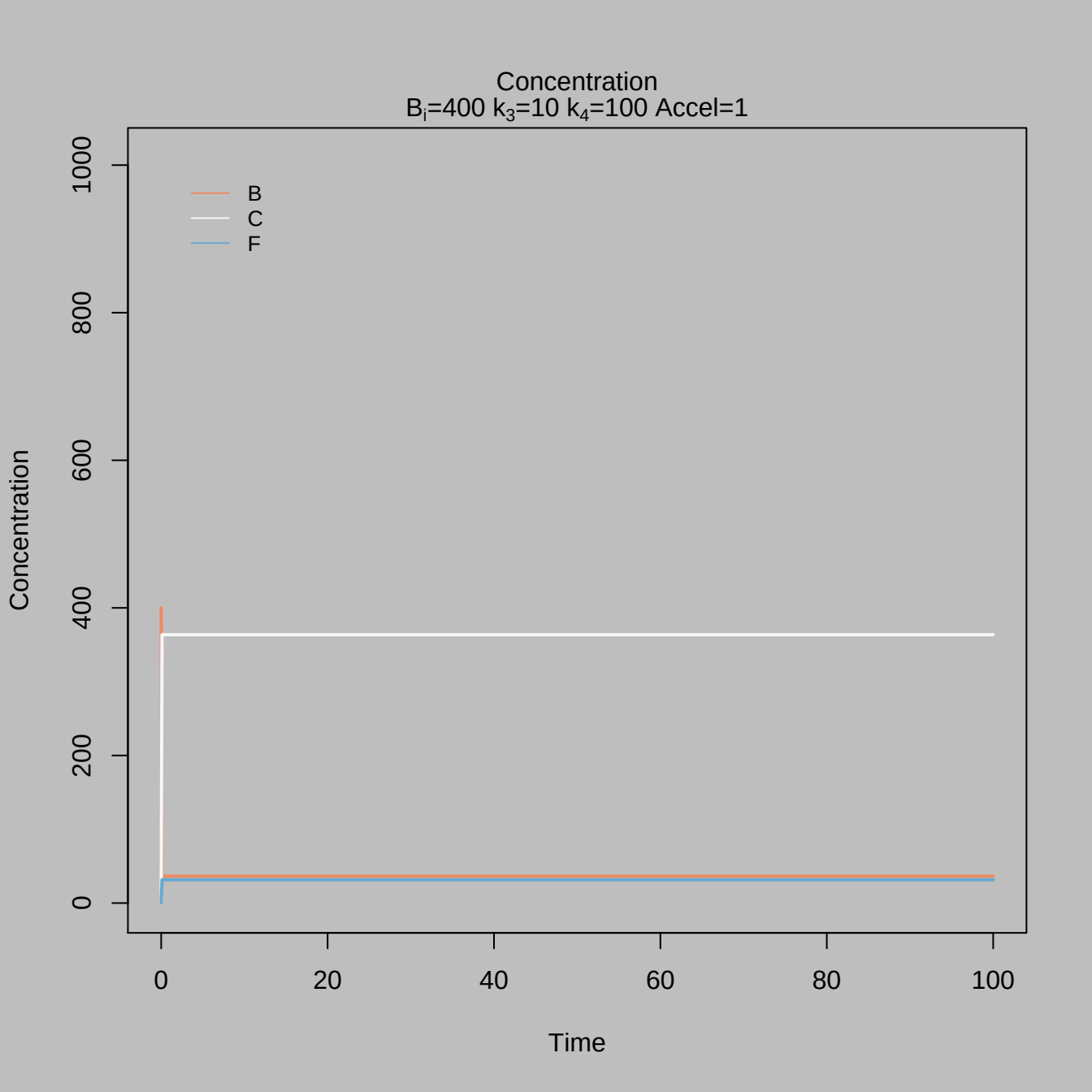
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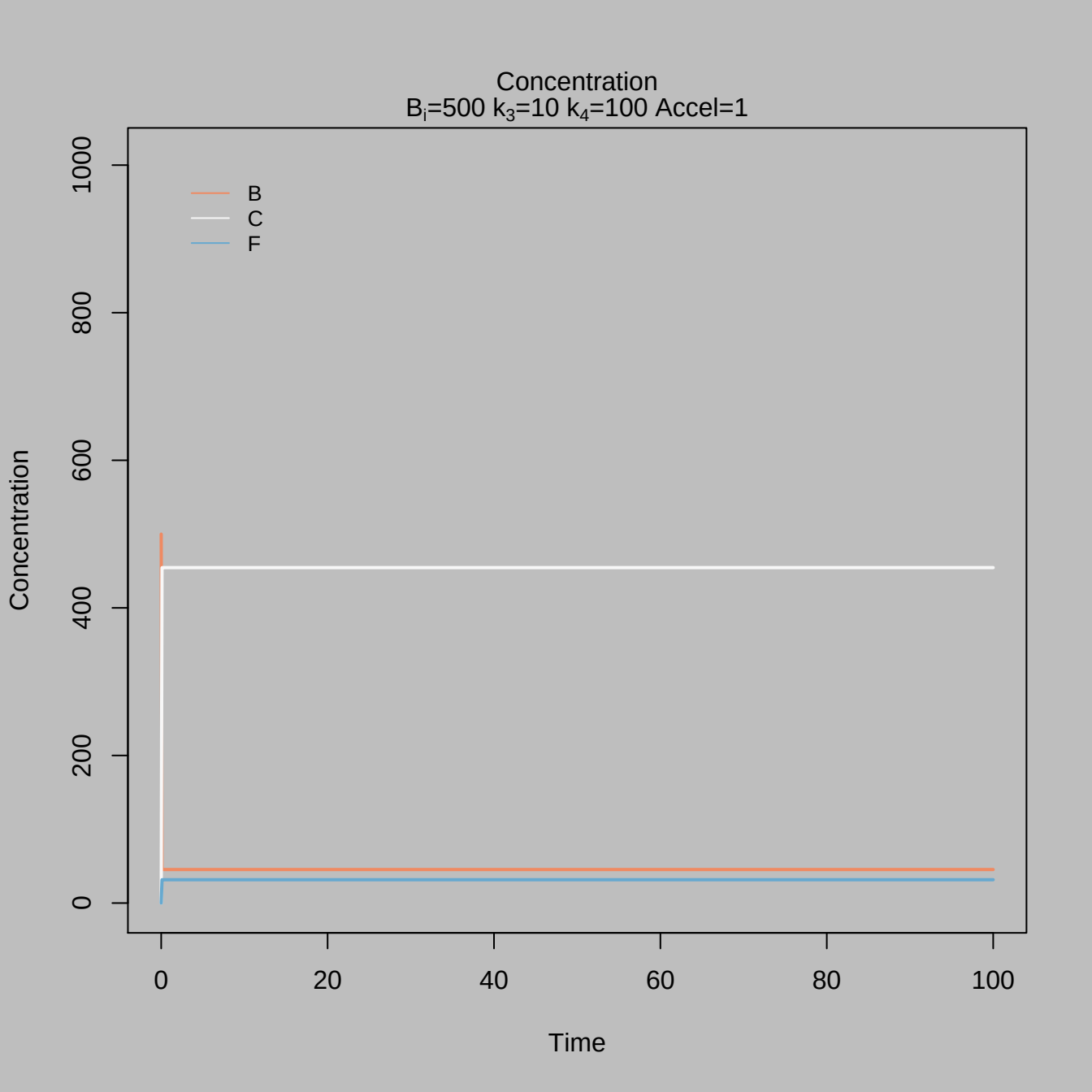
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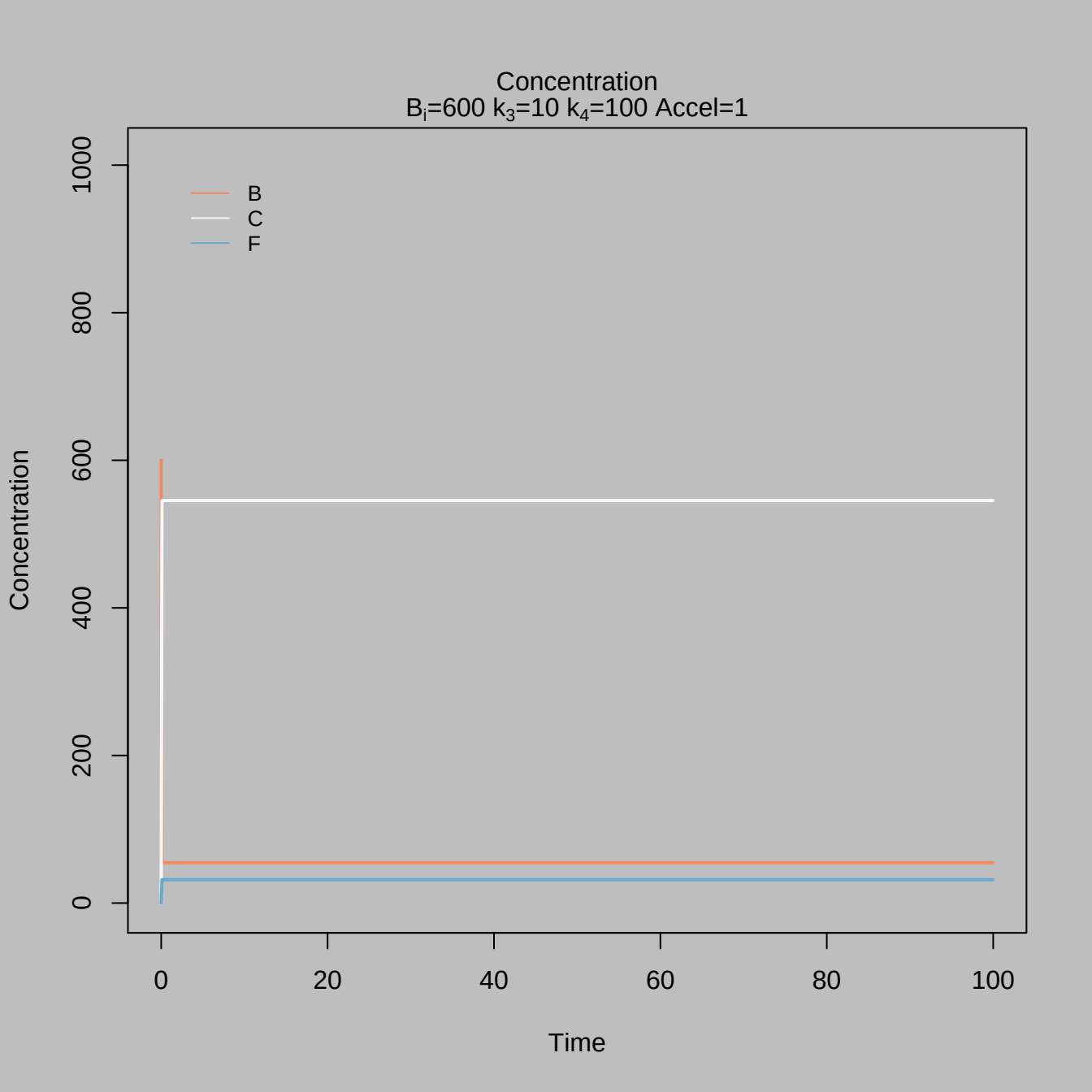
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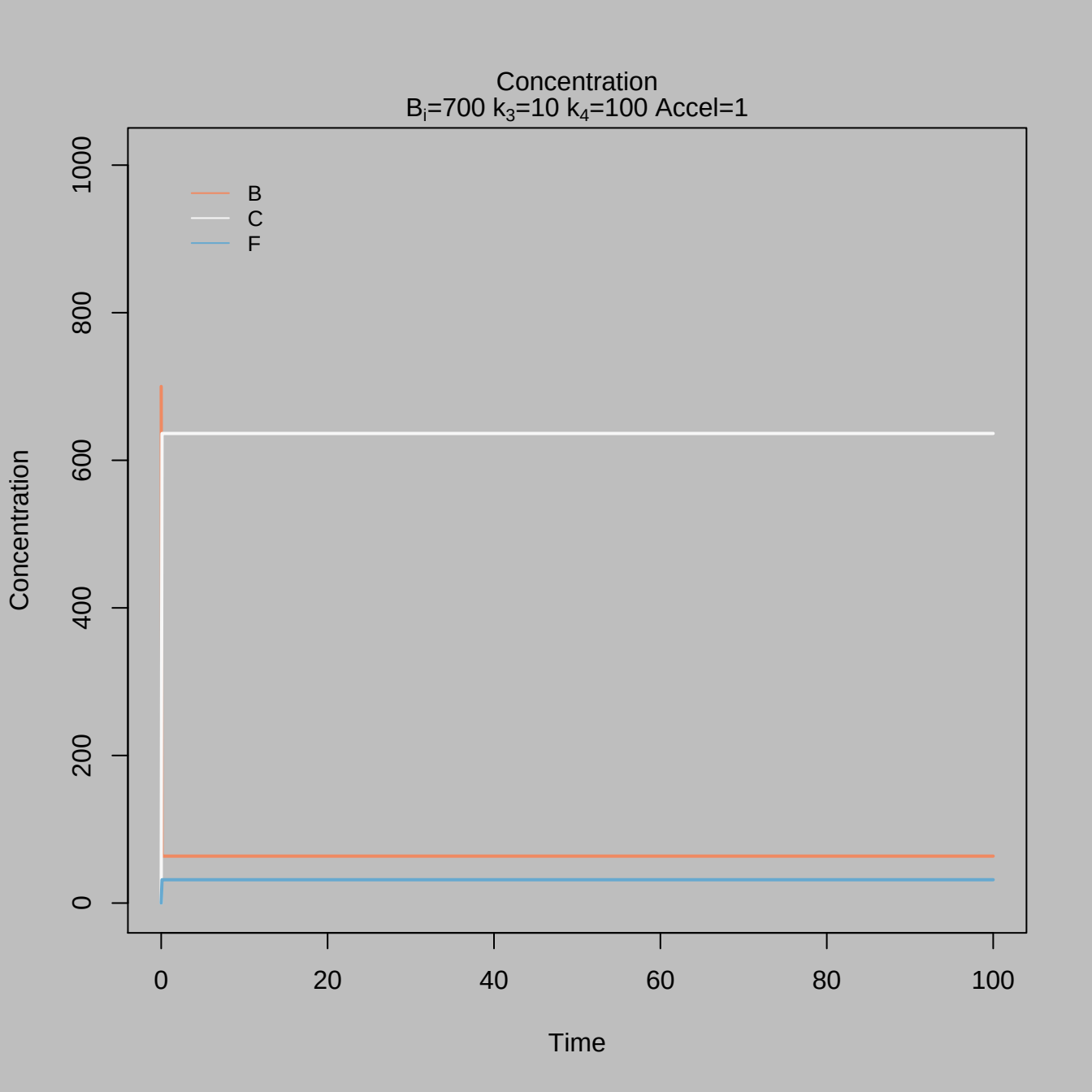
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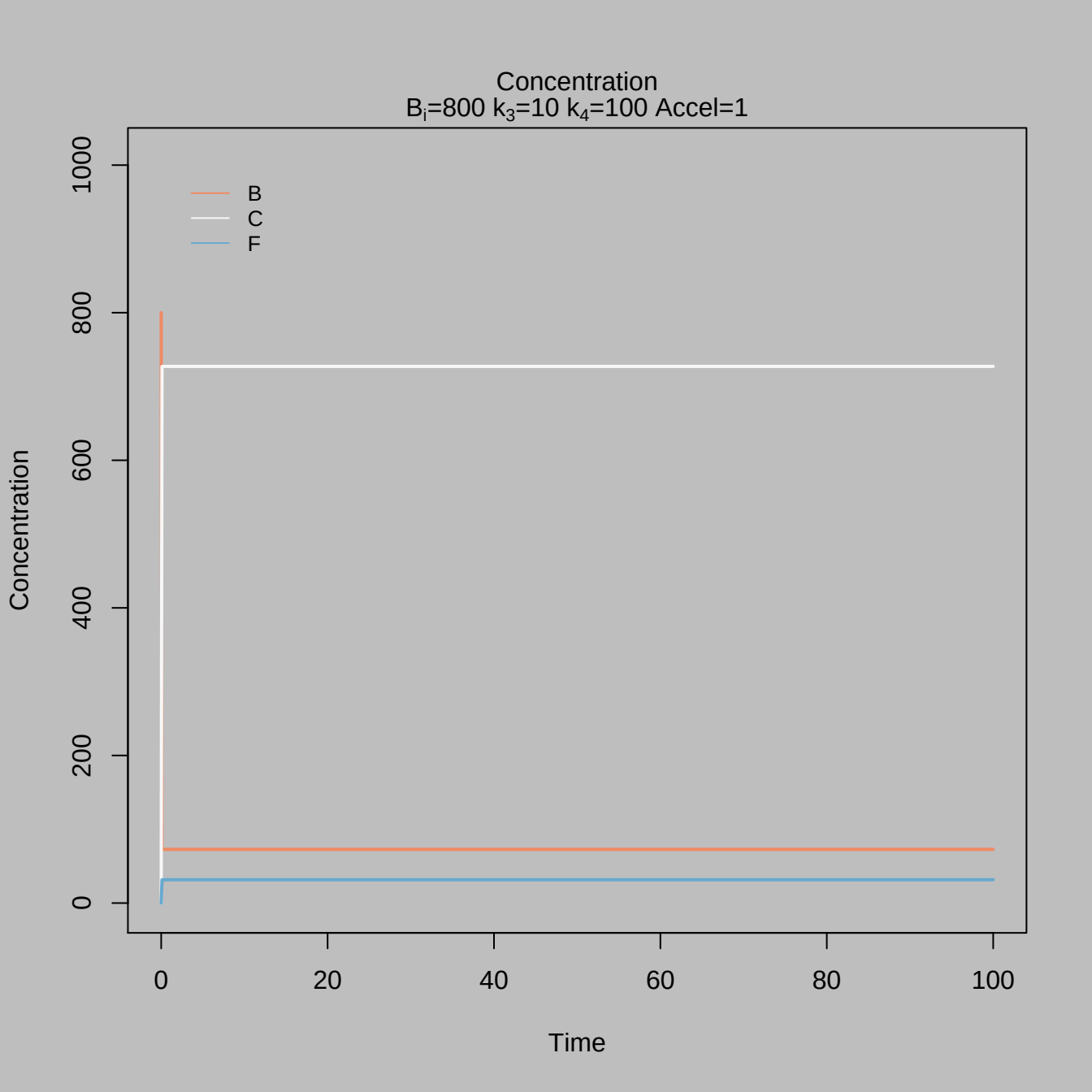
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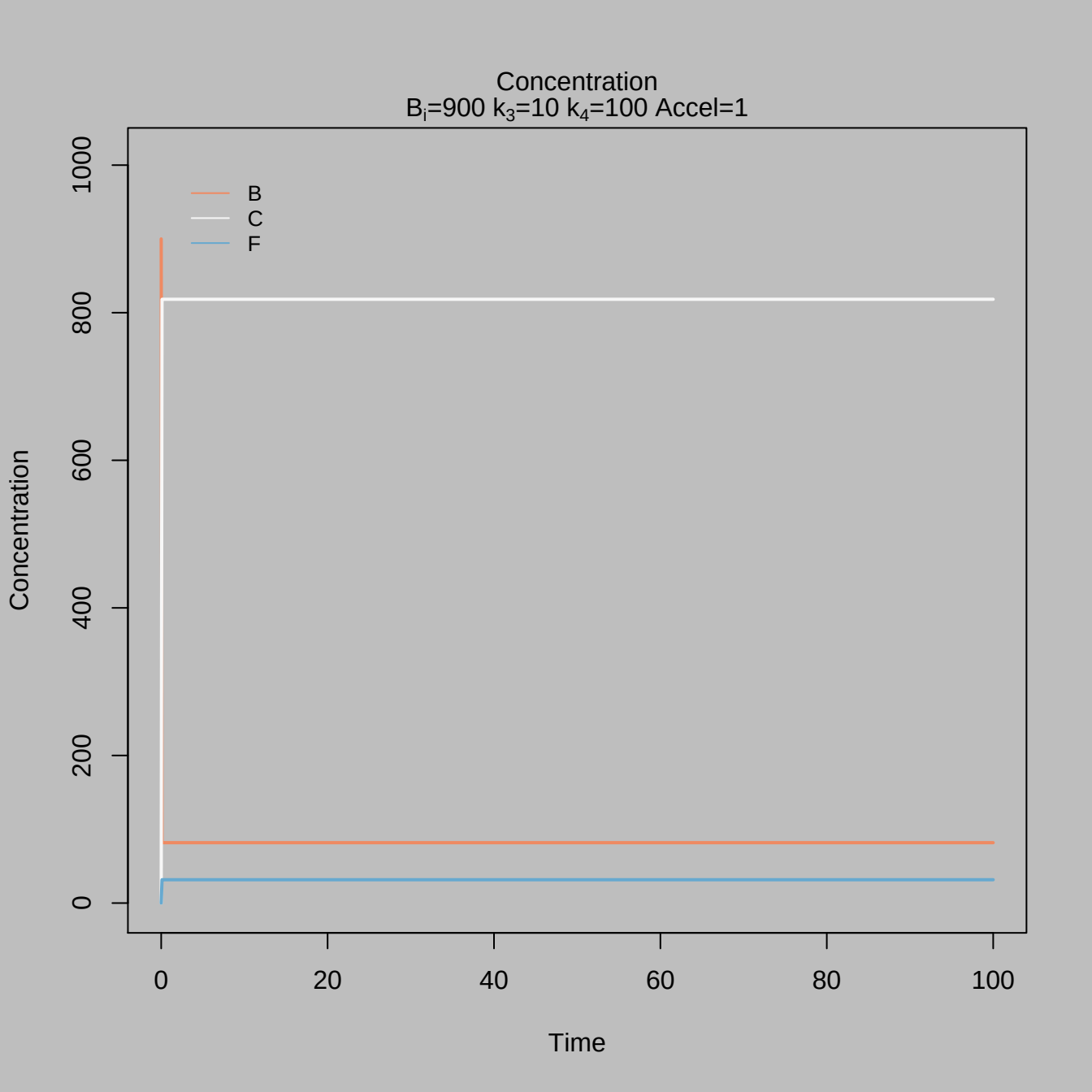
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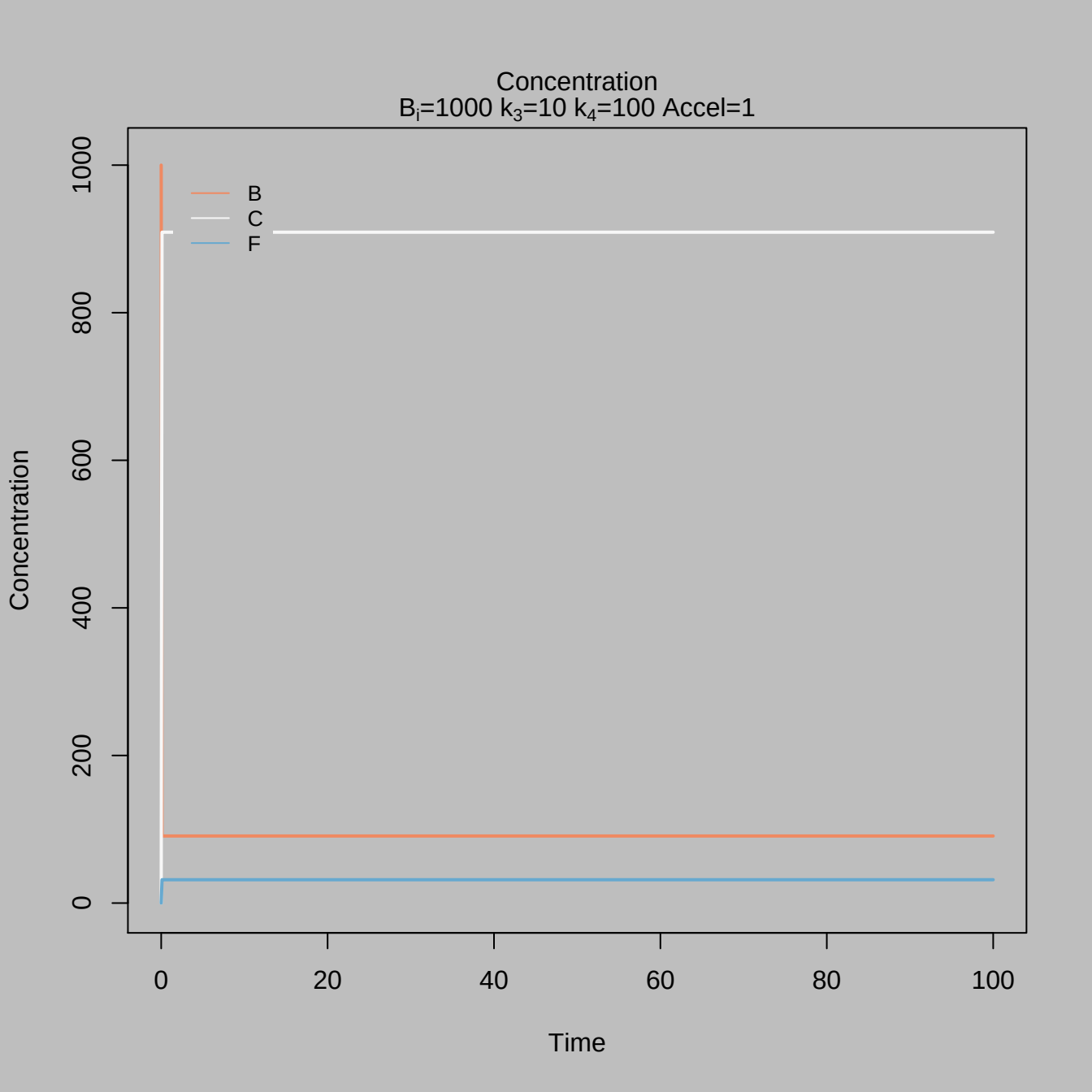
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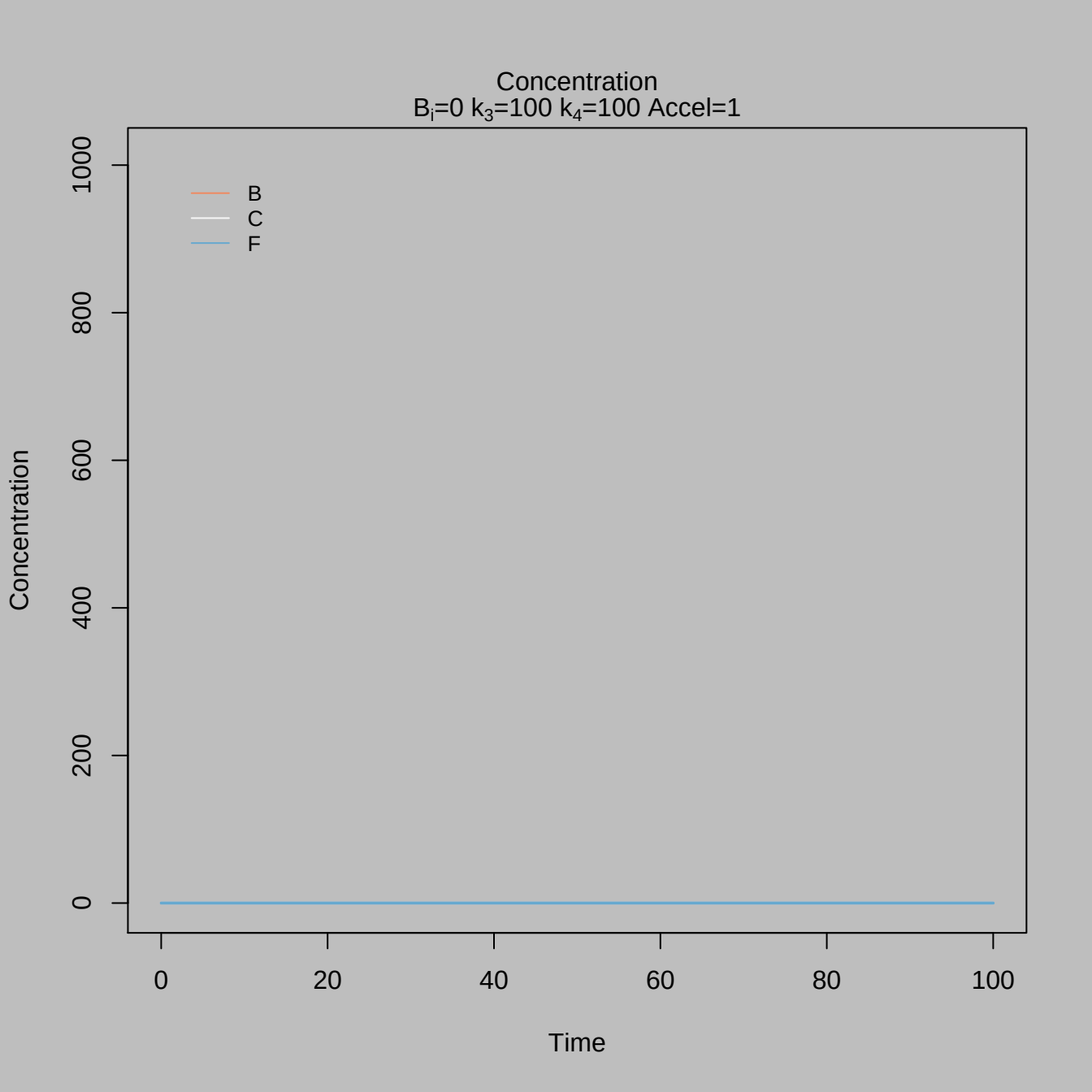
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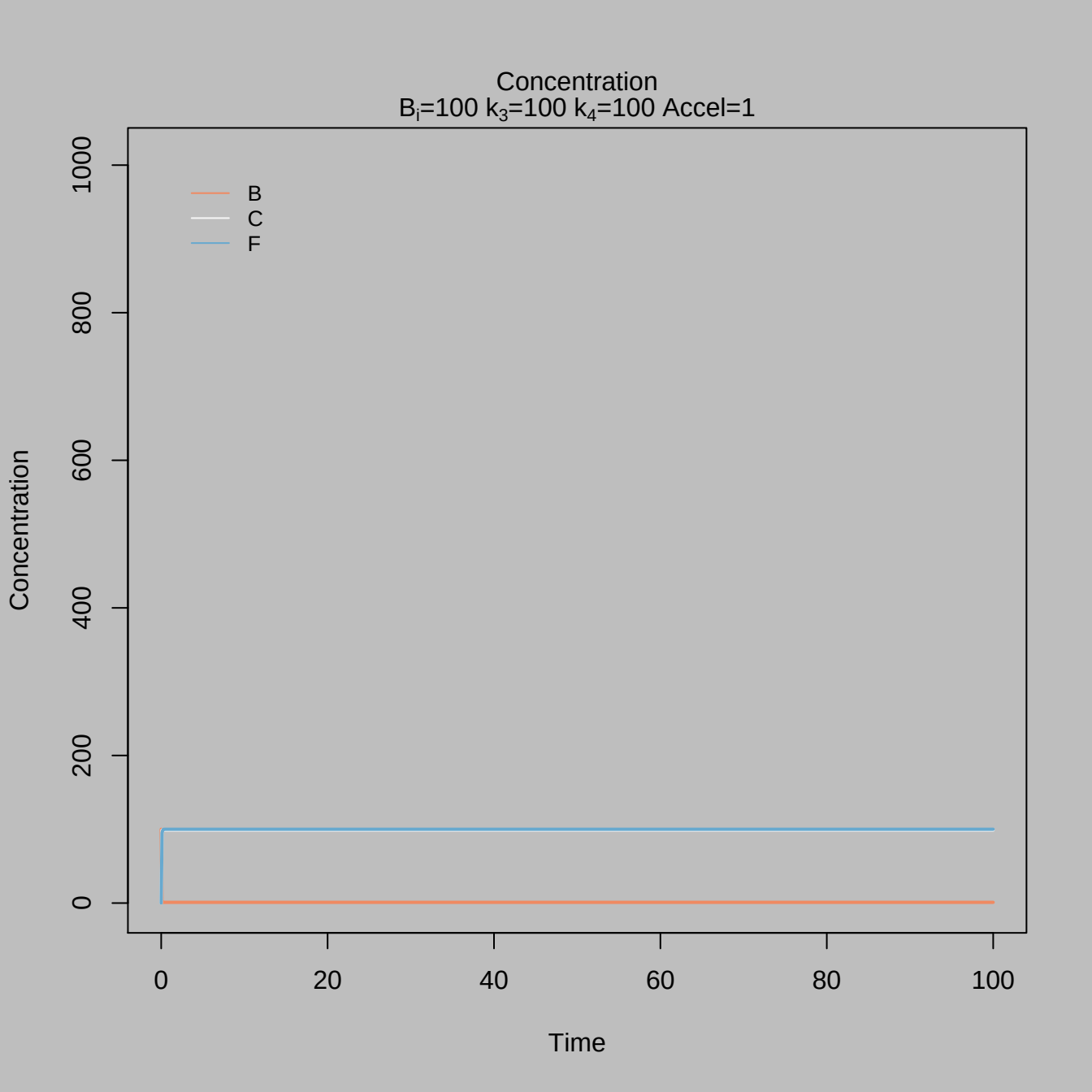
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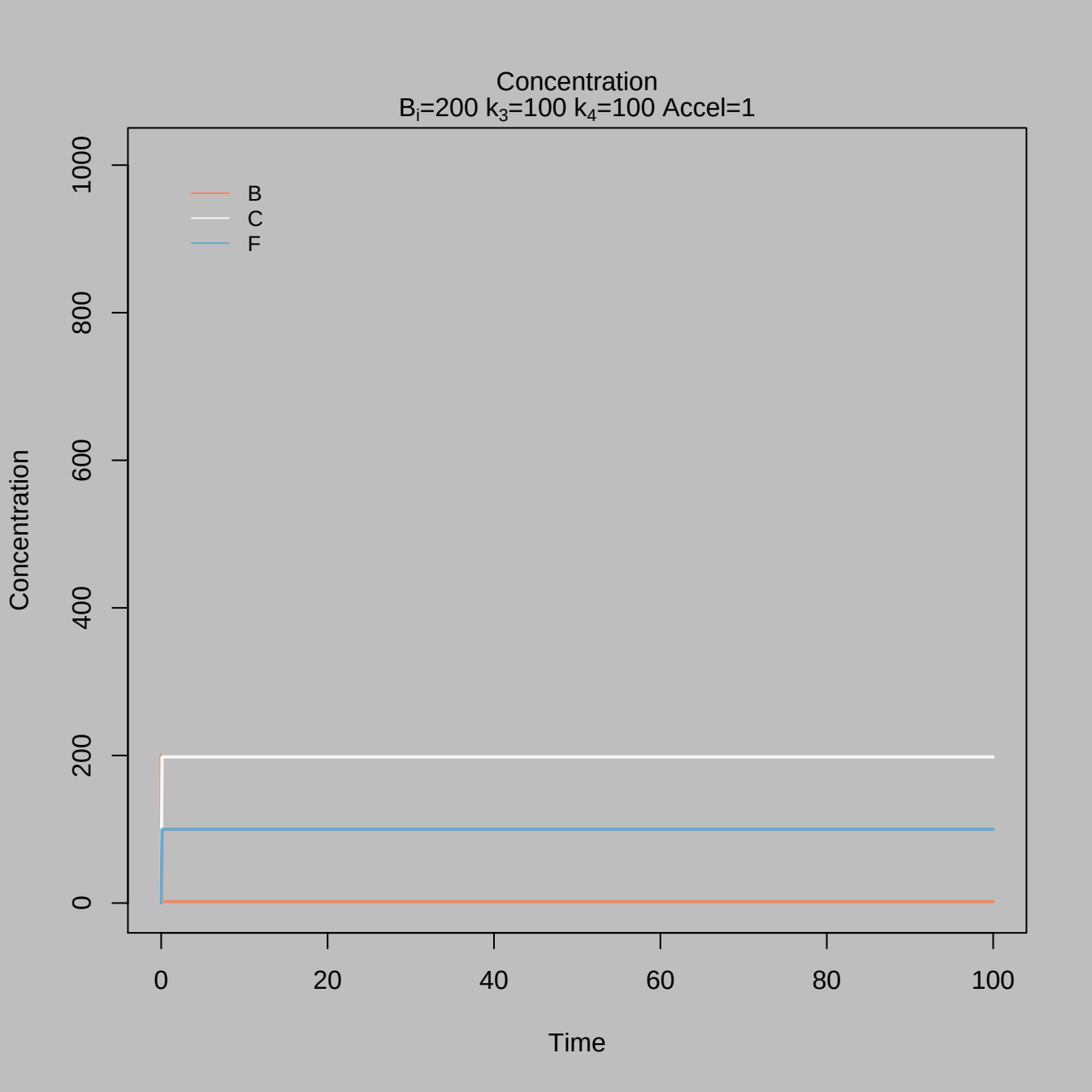
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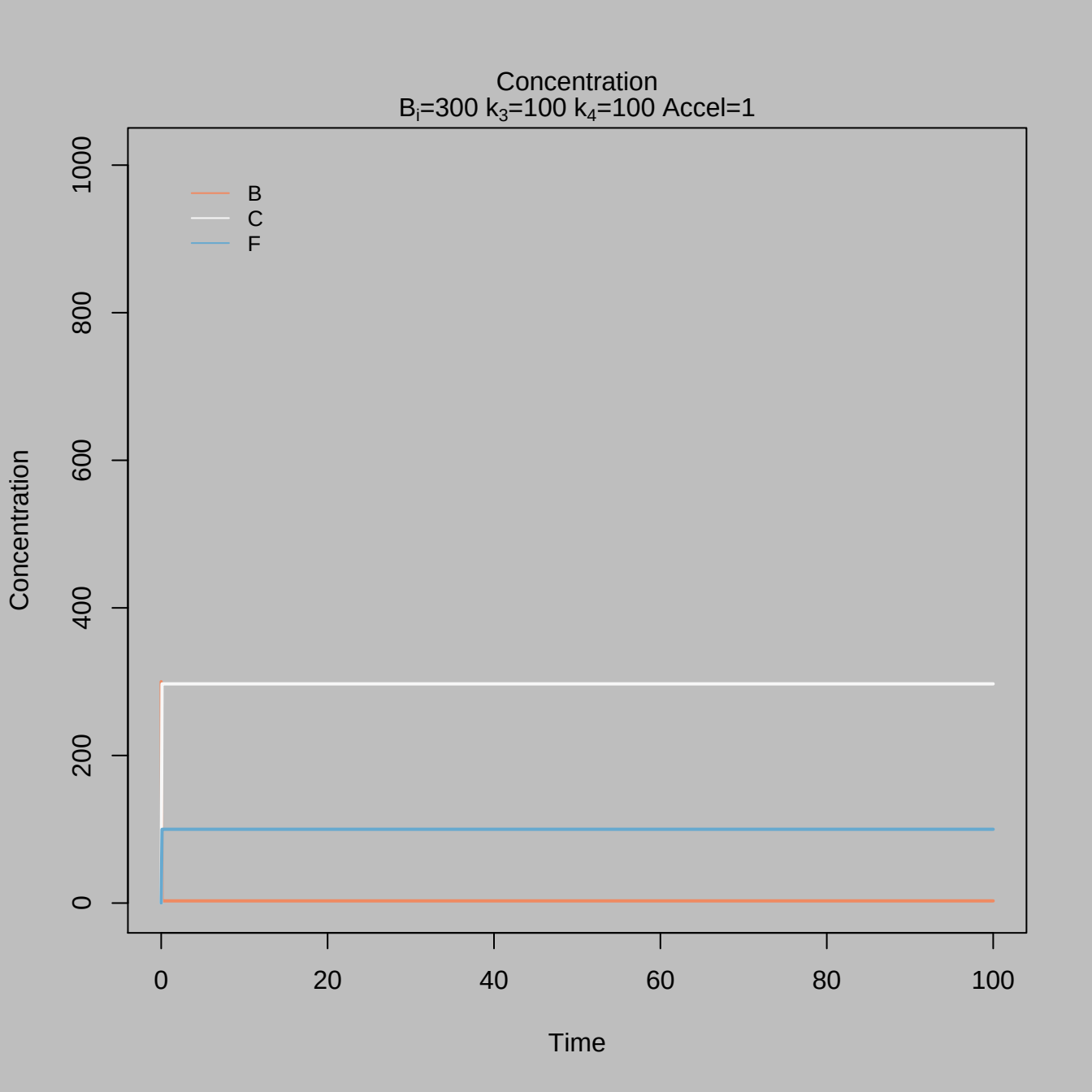
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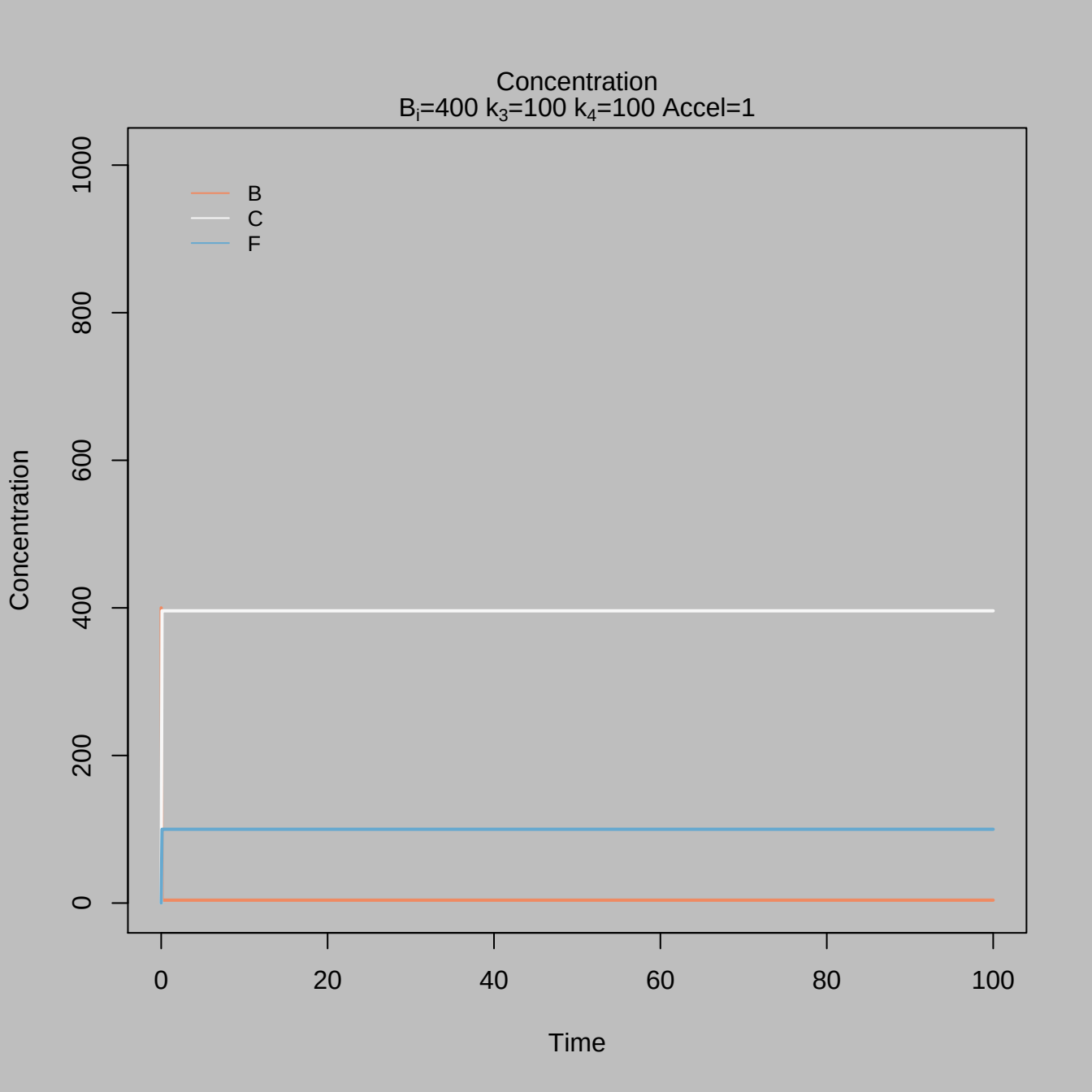
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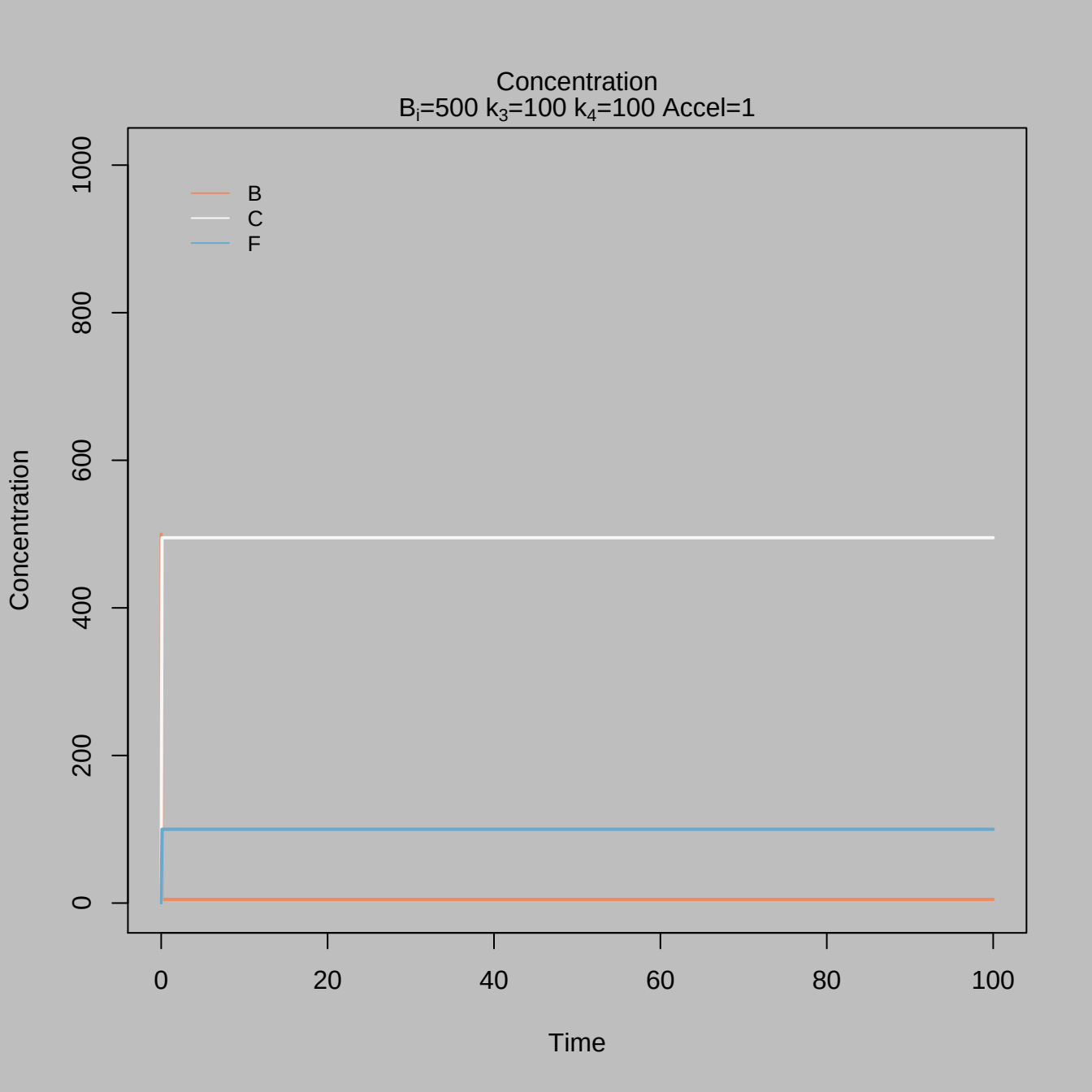
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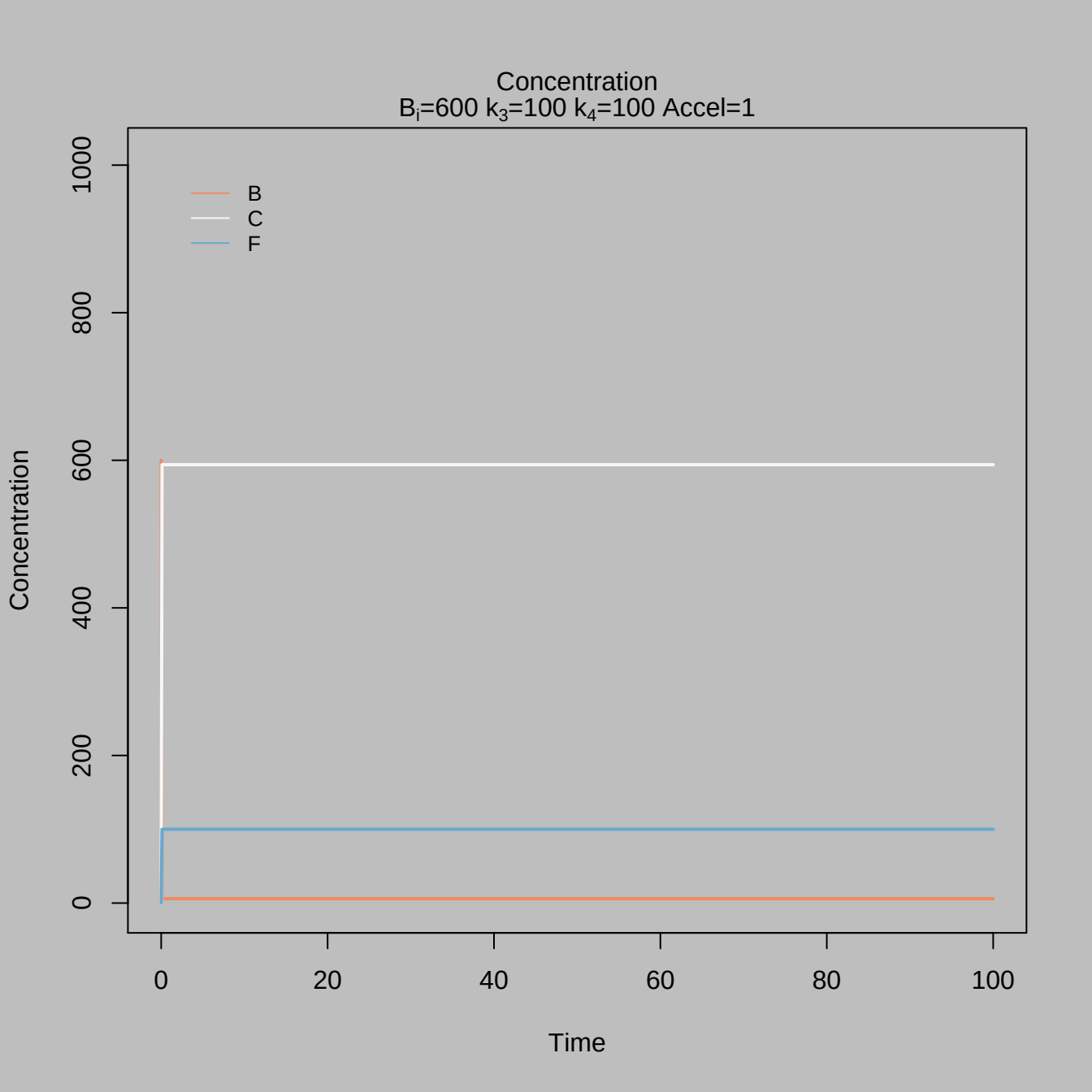
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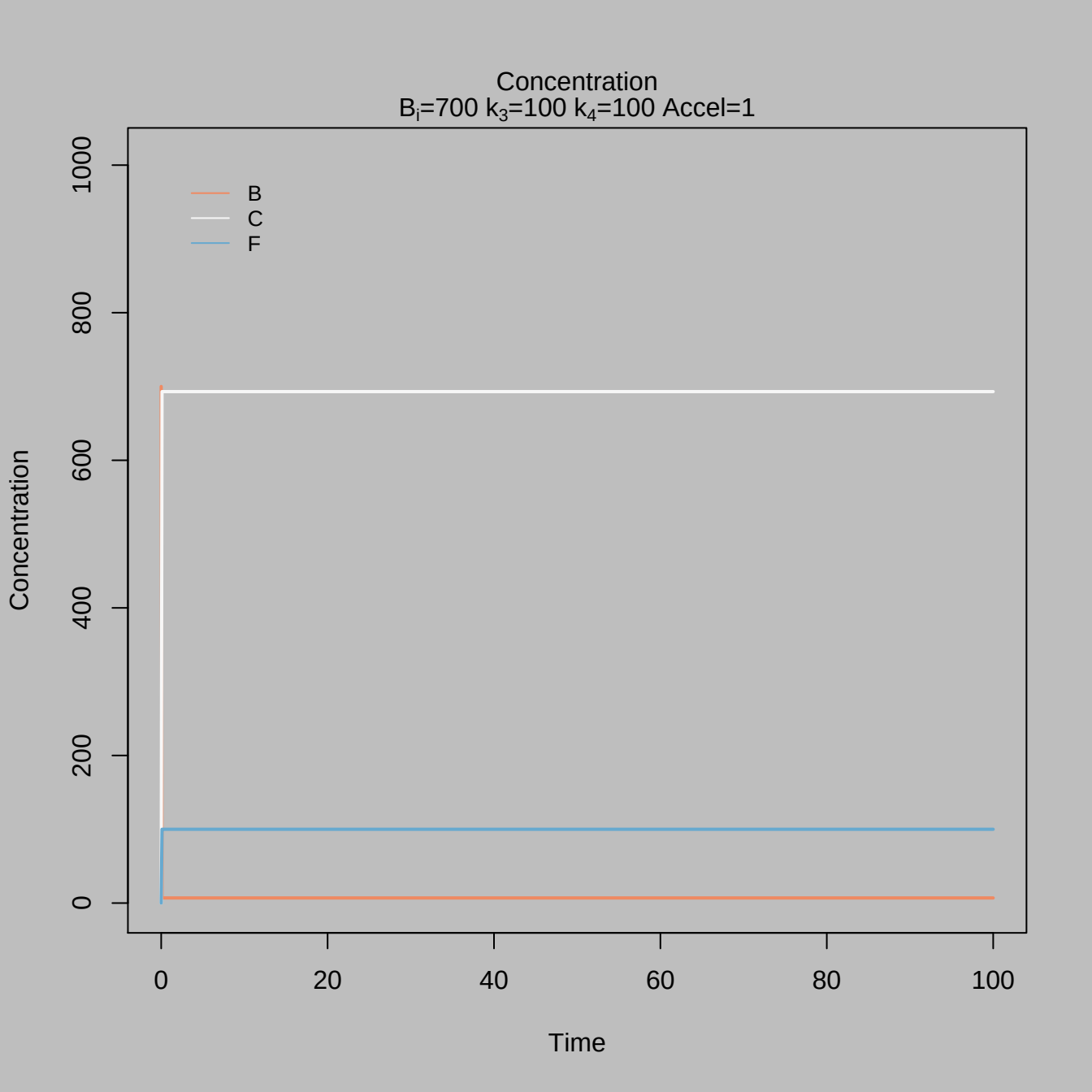
Time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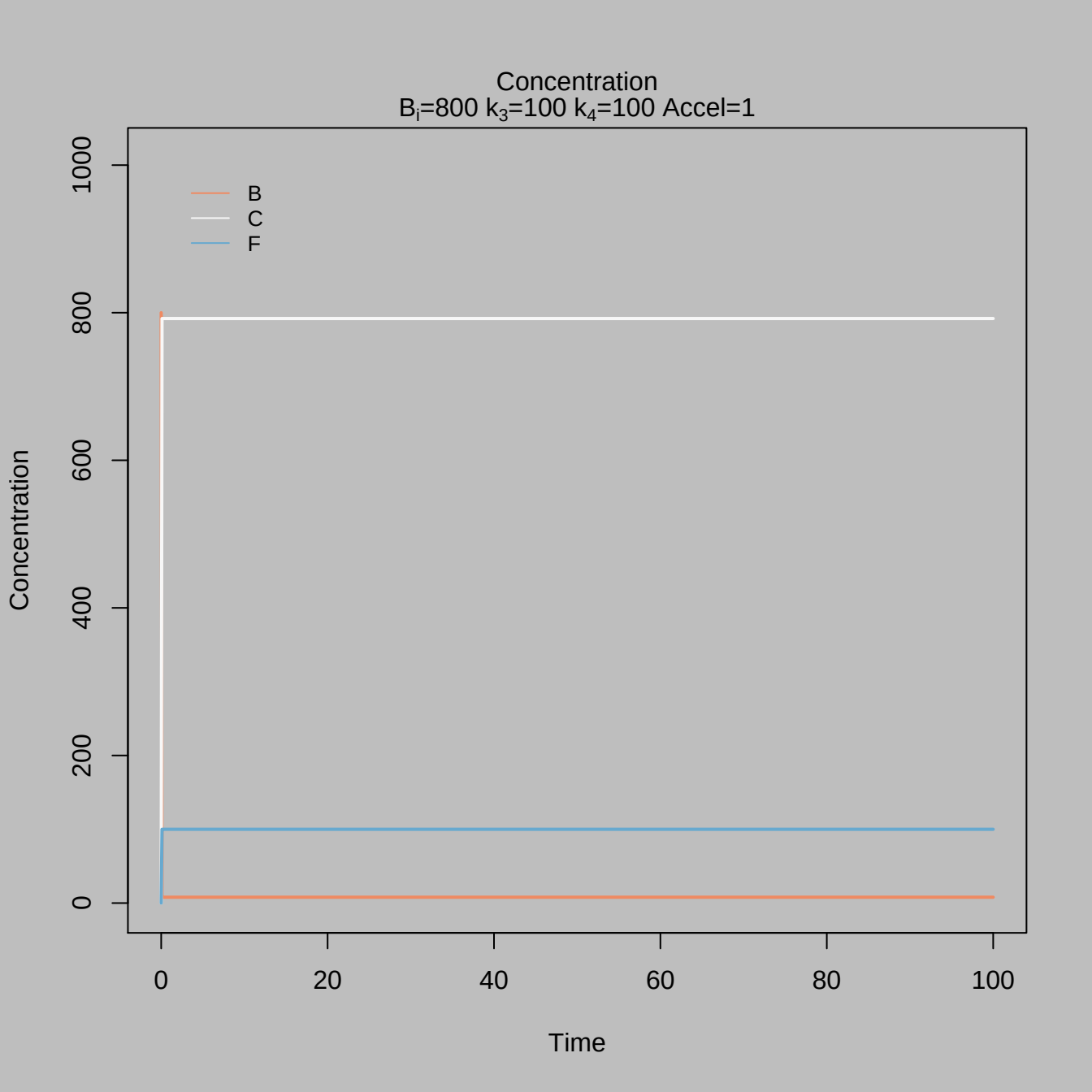
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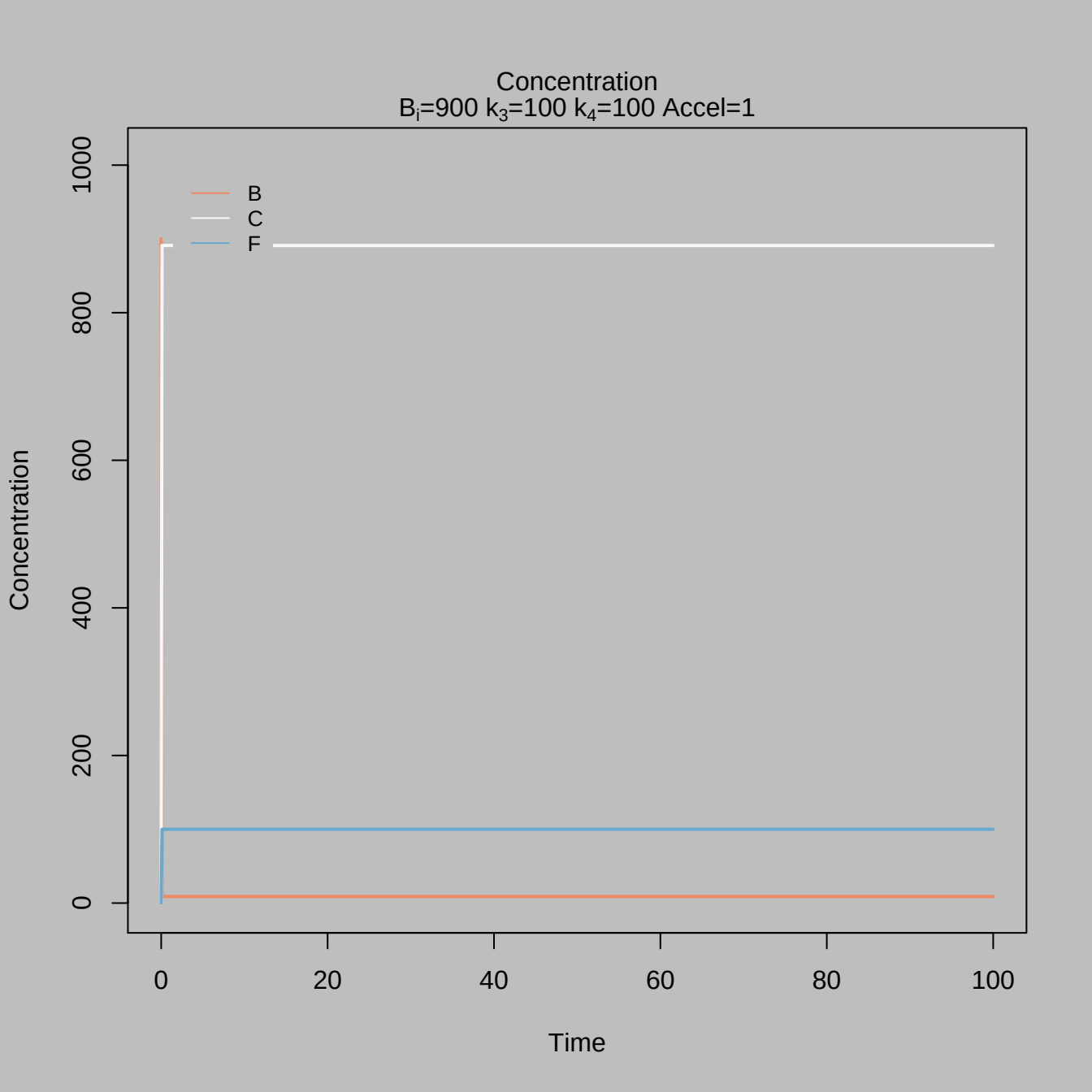
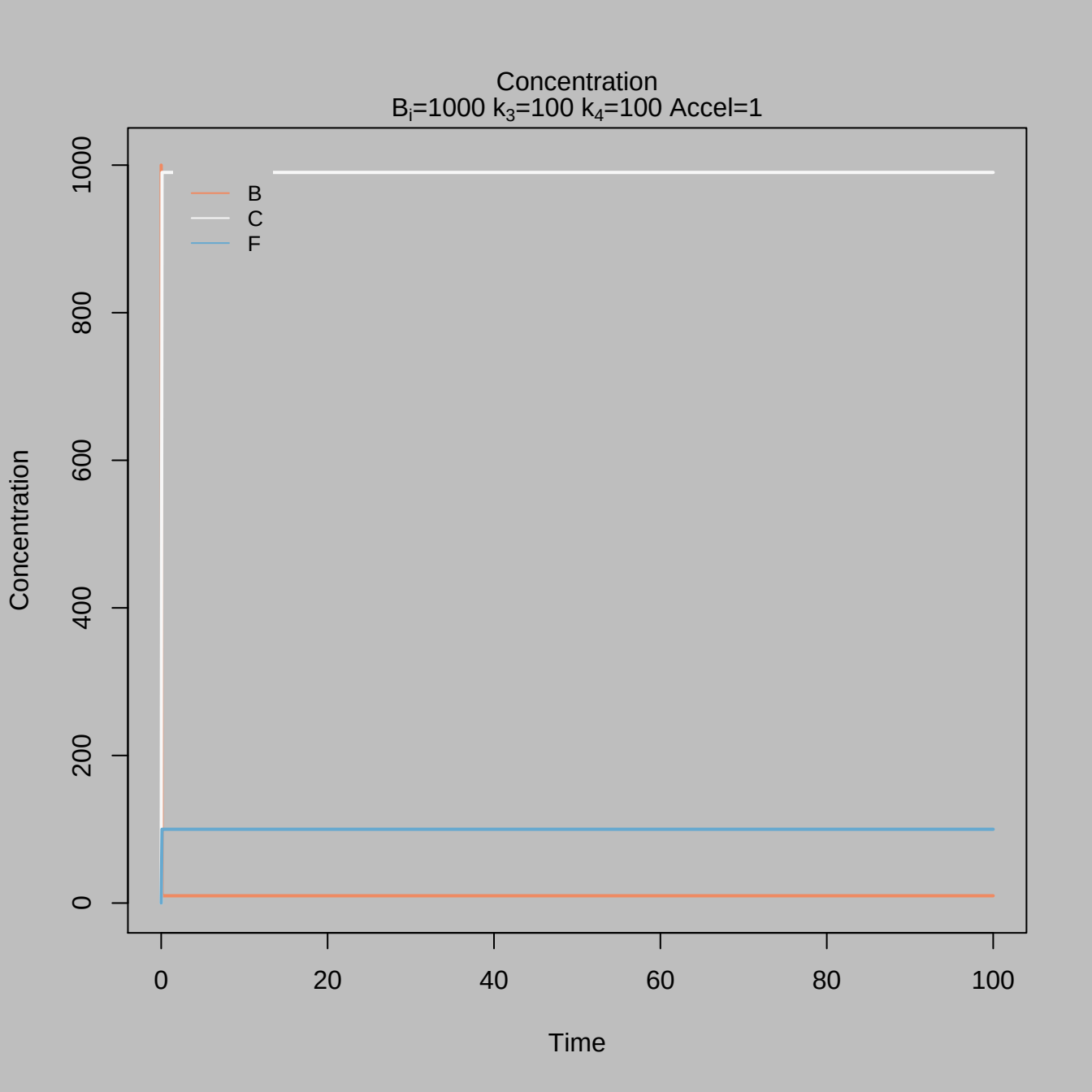
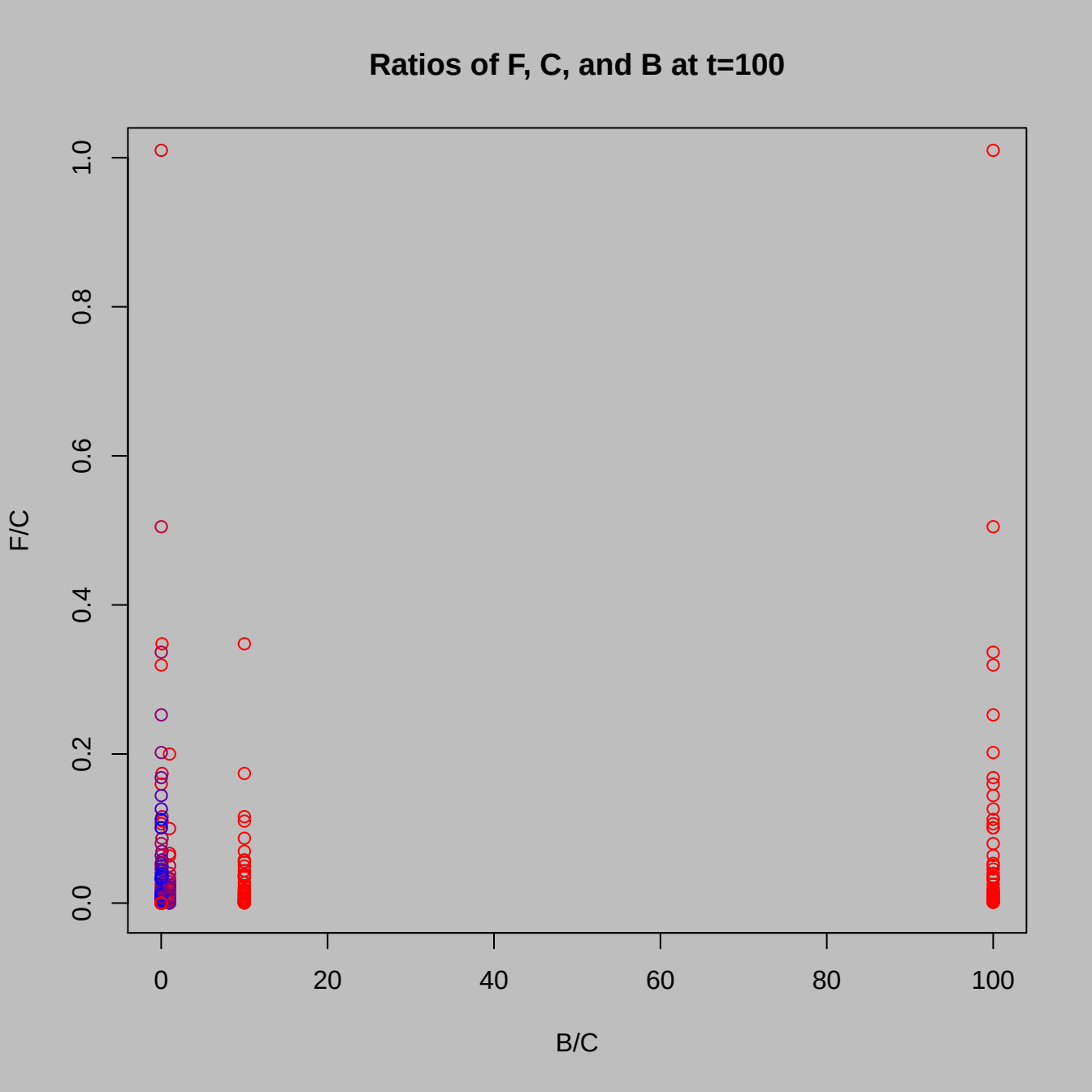
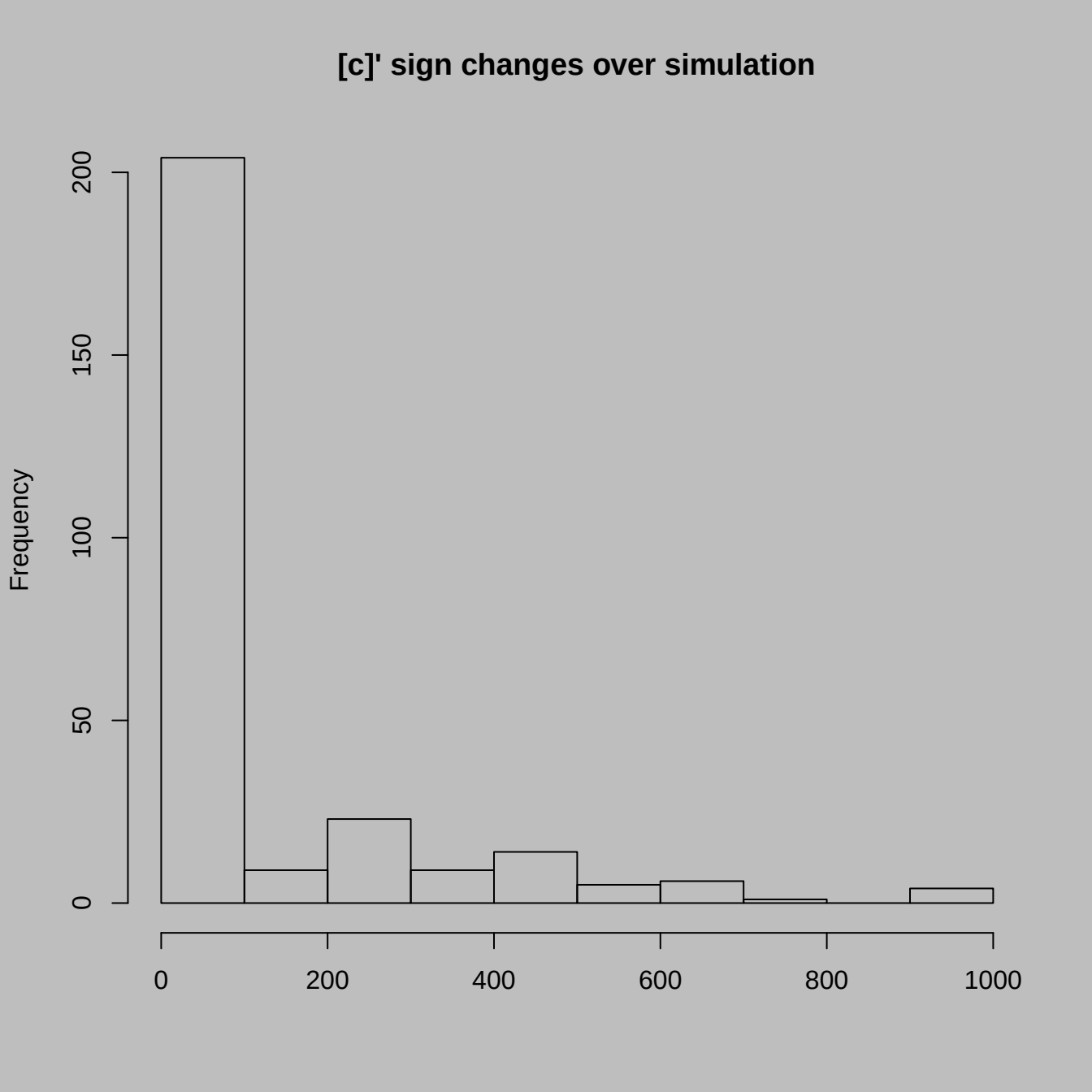
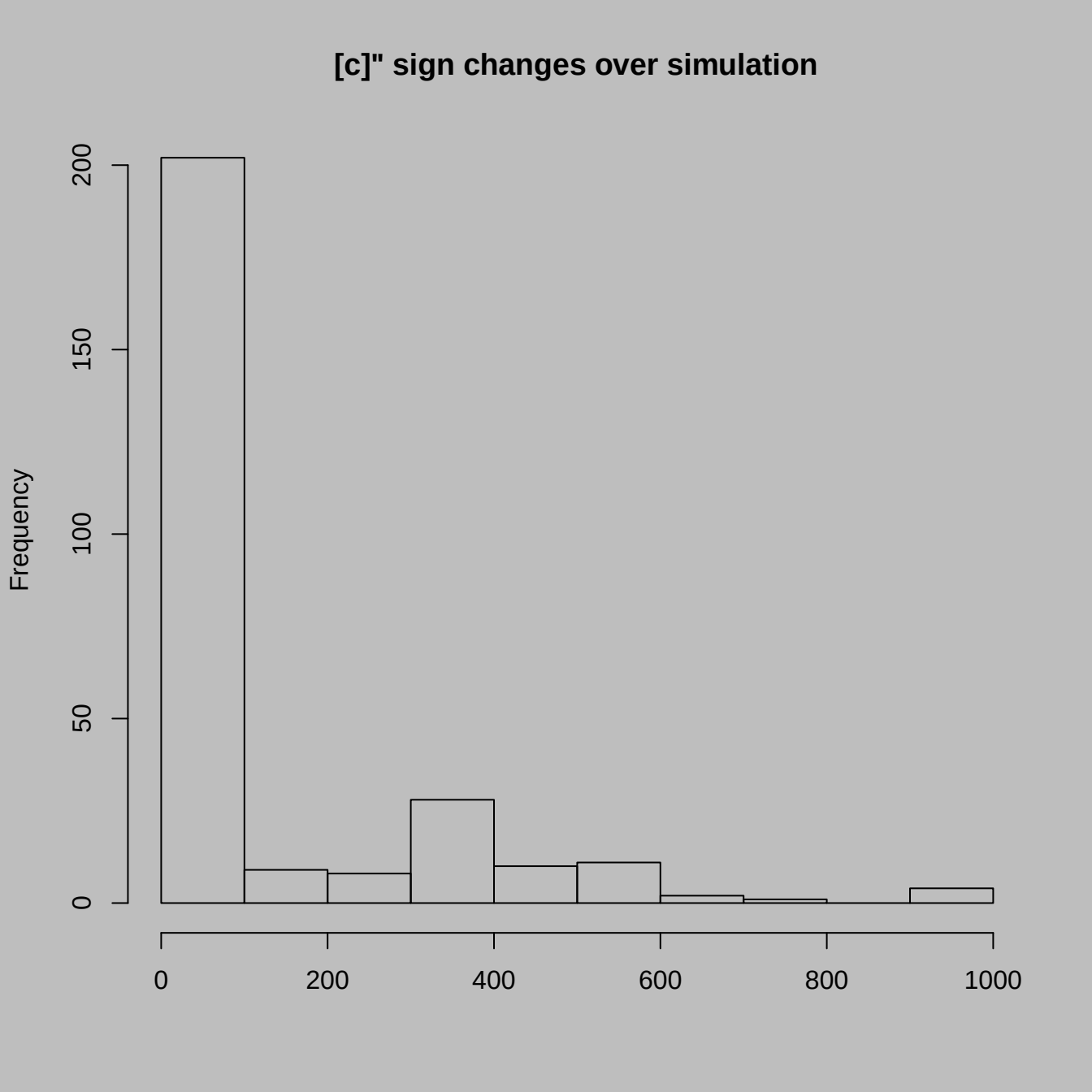
Time


Concentration
B_i=900 k_3=100 k_4=100 Accel=1
B
C
F
Concentration
0
200
400
600
800
1000
0
20
40
60
80
100
Time


Concentration
B_i=1000 k_3=100 k_4=100 Accel=1
B
C
F
Concentration
0
200
400
600
800
1000
0
20
40
60
80
100
Time


Ratios of F, C, and B at t=100
F/C
0.0
0.2
0.4
0.6
0.8
1.0
0
20
40
60
80
100
B/C


[c]' sign changes over simulation
Frequency
0
50
100
150
200
0
200
400
600
800
1000


[c]" sign changes over simulation
Frequency
0
50
100
150
200
0
200
400
600
800
1000