**Question 1:**

modify

voteFails

voteFails

introduceInSenate/{isCommonsBill=false}

ctor

withdrawn

withdrawn

inPrepartation

alpha

inPrepartation

firstReading

firstReadingS

withdrawn

withdraw

withdraw

withdrawn

VotePasses

VotePasses

voteFails

withdrawn

voteFails

withdrawn

withdraw

voteFails

voteFails

voteFails

withdraw

withdraw

voteFails

thirdReading

secondReading

withdrawn

withdrawn

withdrawn

withdrawn

committeeConsideration

thirdReadingS

withdrawn

withdrawn

committeeConsiderationS

withdrawn

withdrawn

secondReadingS

withdrawn

VotePasses

VotePasses

VotePasses

VotePasses

withdraw

votePasses   
[getIsCommonsBill()]

withdraw

withdrawn

withdraw

votePasses [getIsCommonsBill()]

royalAssent

actOfParliament

awaitingRoyalAssent

votePasses   
[!getIsCommonsBill()]

firstReading

firstReadingS

votePasses [!getIsCommonsBill()]

awaitingRoyalAssent

**Question 2:**

The sneak paths for the Bill class based on the state machine provided are:

For the state **inPreparation**, the possible inputs that are legal and unspecified for the state are:

* votePasses
* voteFails
* modify
* withdraw
* royalAssent

For the state **firstReading**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **secondReading**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **committeeConsideration**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **thirdReading**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **withdraw**, the possible inputs that are legal and unspecified for the state are:

* votePasses
* voteFails
* withdraw
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **firstReadingS**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **secondReadingS**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **committeeConsiderationS**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **thirdReadingS**, the possible inputs that are legal and unspecified for the state are:

* modify
* introduceInHouse
* introduceInSenate
* royalAssent

For the state **awaitingRoyalAssent**, the possible inputs that are legal and unspecified for the state are:

* votePasses
* voteFails
* modify
* withdraw
* introduceInHouse
* introduceInSenate

For the state **awaitingRoyalAssent**, the possible inputs that are legal and unspecified for the state are:

* votePasses
* voteFails
* modify
* withdraw
* introduceInHouse
* introduceInSenate
* royalAssent

**Question 3:**

**CONFORMANCE TEST CASES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 1.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 1.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 1.3 | firstReading | voteFails() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 1.4 | withdrawn | modify() | - | billState=inPreparation  wasEventProcessed=true | inPreparation |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 2.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 2.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 2.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 3.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 3.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 3.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 3.4 | secondReading | voteFails() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 4.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 4.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 4.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 4.4 | secondReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 5.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 5.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 5.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 5.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 5.5 | committeeConsideration | voteFails() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 6.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 6.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 6.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 6.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 6.5 | committeeConsideration | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 7.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 7.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 7.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 7.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 7.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 7.6 | thirdReading | voteFails() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 8.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 8.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 8.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 8.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 8.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 8.6 | thirdReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 9.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 9.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 9.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 9.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 9.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 9.6 | thirdReading | votePasses() | getIsCommonsBill() = false | billStateInHouseOfCommons=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 10.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 10.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 10.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 10.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 10.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 10.6 | thirdReading | votePasses() | getIsCommonsBill = true | billStateInHouseOfCommons=null  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 11.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 11.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 11.3 | firstReadingS | voteFails() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 12.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 12.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 12.3 | firstReadingS | withdraw() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 13.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 13.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 13.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 13.4 | secondReadingS | voteFails() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 14.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 14.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 14.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 14.4 | secondReadingS | withdraw() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 15.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 15.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 15.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 15.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 15.5 | committeeConsiderationS | voteFails() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 16.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 16.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 16.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 16.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 16.5 | committeeConsiderationS | withdraw() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 17.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 17.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 17.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 17.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 17.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 17.6 | thirdReadingS | voteFails() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 18.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 18.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 18.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 18.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 18.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 18.6 | thirdReadingS | withdraw() | - | billStateInSenate=null  billState=withdrawn  wasEventProcessed=true | withdrawn |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 19.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 19.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 19.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 19.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 19.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 19.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 19.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 20.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 20.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 20.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 20.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 20.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 20.6 | thirdReadingS | votePasses() | getIsCommonsBill() =false | billStateInSenate=null  billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |

**SNEAK PATH TEST CASES:**

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 21.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 21.2 | inPreparation | votePasses() | - | ignored  (isCommonBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null) | inPreparation |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 22.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 22.2 | inPreparation | voteFails() | - | ignored  (isCommonBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null) | inPreparation |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 23.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 23.2 | inPreparation | modify() | - | ignored  (isCommonBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null) | inPreparation |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 24.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 24.2 | inPreparation | withdraw() | - | ignored  (isCommonBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null  wasEventProcessed=false) | inPreparation |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 25.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 25.2 | inPreparation | royalAssent() | - | ignored  (isCommonBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null  wasEventProcessed=false) | inPreparation |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 26.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 26.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 26.3 | firstReading | modify() | - | ignored  (billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=false) | firstReading |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 27.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 27.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 27.3 | firstReading | introduceInHouse() | - | ignored  (billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=false) | firstReading |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 28.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 28.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 28.3 | firstReading | introduceInSenate() | - | ignored  (billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=false) | firstReading |

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| --- | --- | --- | --- | --- | --- |
| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 29.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 29.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 29.3 | firstReading | royalAssent() | - | ignored  (billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=false) | firstReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 30.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 30.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 30.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 30.4 | secondReading | modify() | - | Ignored  (billStateInHouseOfCommons=secondReading  wasEventProcessed=false) | secondReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 31.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 31.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 31.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 31.4 | secondReading | introduceInHouse() | - | Ignored  (billStateInHouseOfCommons=secondReading  wasEventProcessed=false) | secondReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 32.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 32.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 32.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 32.4 | secondReading | introduceInSenate() | - | Ignored  (billStateInHouseOfCommons=secondReading  wasEventProcessed=false) | secondReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 33.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 33.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 33.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 33.4 | secondReading | royalAssent() | - | Ignored  (billStateInHouseOfCommons=secondReading  wasEventProcessed=false) | secondReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 34.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 34.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 34.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 34.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 34.5 | committeeConsideration | modify() | - | Ignored  (billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=false) | committeeConsideration |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 35.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 35.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 35.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 35.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 35.5 | committeeConsideration | introduceInHouse() | - | Ignored  (billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=false) | committeeConsideration |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 36.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 36.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 36.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 36.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 36.5 | committeeConsideration | introduceInSenate() | - | Ignored  (billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=false) | committeeConsideration |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 37.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 37.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 37.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 37.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 37.5 | committeeConsideration | royalAssent() | - | Ignored  (billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=false) | committeeConsideration |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 38.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 38.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 38.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 38.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 38.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 38.6 | thirdReading | modify() | - | Ignored  (billStateInHouseOfCommons=thirdReading  wasEventProcessed=false) | thirdReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 39.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 39.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 39.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 39.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 39.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 39.6 | thirdReading | introduceInHouse() | - | Ignored  (billStateInHouseOfCommons=thirdReading  wasEventProcessed=false) | thirdReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 40.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 40.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 40.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 40.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 40.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 40.6 | thirdReading | introduceInSenate() | - | Ignored  (billStateInHouseOfCommons=thirdReading  wasEventProcessed=false) | thirdReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 41.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 41.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 41.3 | firstReading | votePasses() | - | billStateInHouseOfCommons=secondReading  wasEventProcessed=true | secondReading |
| 41.4 | secondReading | votePasses() | - | billStateInHouseOfCommons=committeeConsideration  wasEventProcessed=true | committeeConsideration |
| 41.5 | committeeConsideration | votePasses() | - | billStateInHouseOfCommons=thirdReading  wasEventProcessed=true | thirdReading |
| 41.6 | thirdReading | royalAssent() | - | Ignored  (billStateInHouseOfCommons=thirdReading  wasEventProcessed=false) | thirdReading |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 42.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 42.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 42.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 42.4 | withdrawn | votePasses() | - | Ignored  (billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=false) | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 43.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 43.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 43.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 43.4 | withdrawn | voteFails() | - | Ignored  (billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=false) | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 44.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 44.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 44.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 44.4 | withdrawn | withdraw() | - | Ignored  (billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=false) | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 45.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 45.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 45.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 45.4 | withdrawn | introduceInHouse() | - | Ignored  (billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=false) | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 46.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 46.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 46.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 46.4 | withdrawn | introduceInSenate() | - | Ignored  (billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=false) | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 47.1 | - | Constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 47.2 | inPreparation | introduceInHouse() | - | billState=inHouseOfCommons  billStateInHouseOfCommons=firstReading  wasEventProcessed=true | firstReading |
| 47.3 | firstReading | withdraw() | - | billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=true | withdrawn |
| 47.4 | withdrawn | royalAssent() | - | Ignored  (billStateInHouseOfCommons=null  billState=withdrawn  wasEventProcessed=false) | withdrawn |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 48.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 48.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 48.3 | firstReadingS | modify() | - | Ignored  (isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=false) | firstReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 49.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 49.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 49.3 | firstReadingS | introduceInHouse() | - | Ignored  (isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=false) | firstReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 50.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 50.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 50.3 | firstReadingS | introduceInSenate() | - | Ignored  (isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=false) | firstReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 51.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 51.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 51.3 | firstReadingS | royalAssent() | - | Ignored  (isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=false) | firstReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 52.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 52.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 52.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 52.4 | secondReadingS | modify() | - | Ignored  (billStateInSenate=secondReadingS  wasEventProcessed=false) | secondReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 53.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 53.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 53.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 53.4 | secondReadingS | introduceInHouse() | - | Ignored  (billStateInSenate=secondReadingS  wasEventProcessed=false) | secondReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 54.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 54.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 54.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 54.4 | secondReadingS | introduceInSenate() | - | Ignored  (billStateInSenate=secondReadingS  wasEventProcessed=false) | secondReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 55.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 55.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 55.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 55.4 | secondReadingS | royalAssent() | - | Ignored  (billStateInSenate=secondReadingS  wasEventProcessed=false) | secondReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 56.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 56.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 56.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 56.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 56.5 | committeeConsiderationS | modify() | - | Ignored  (billStateInSenate=committeeConsiderationS  wasEventProcessed=false) | committeeConsiderationS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 57.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 57.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 57.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 57.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 57.5 | committeeConsiderationS | introduceInHouse() | - | Ignored  (billStateInSenate=committeeConsiderationS  wasEventProcessed=false) | committeeConsiderationS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 58.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 58.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 58.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 58.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 58.5 | committeeConsiderationS | introduceInSenate() | - | Ignored  (billStateInSenate=committeeConsiderationS  wasEventProcessed=false) | committeeConsiderationS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 59.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 59.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 59.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 59.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 59.5 | committeeConsiderationS | royalAssent() | - | Ignored  (billStateInSenate=committeeConsiderationS  wasEventProcessed=false) | committeeConsiderationS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 60.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 60.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 60.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 60.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 60.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 60.6 | thirdReadingS | modify() | - | Ignored  (billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=false) | thirdReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 61.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 61.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 61.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 61.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 61.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 61.6 | thirdReadingS | introduceInHouse() | - | Ignored  (billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=false) | thirdReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 62.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 62.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 62.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 62.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 62.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 62.6 | thirdReadingS | introduceInSenate() | - | Ignored  (billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=false) | thirdReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 63.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 63.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 63.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 63.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 63.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 63.6 | thirdReadingS | royalAssent() | - | Ignored  (billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=false) | thirdReadingS |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 64.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 64.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 64.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 64.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 64.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 64.6 | thirdReadingS | votePasses() | getIsCommonsBill() = true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | thirdReadingS |
| 64.7 | awaitingRoyalAssent | modify() | - | Ignored  (billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=false) | awaitingRoyalAssent |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 65.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 65.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 65.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 65.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 65.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 65.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 65.7 | awaitingRoyalAssent | votePasses() | - | Ignored  (billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=false) | awaitingRoyalAssent |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 66.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 66.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 66.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 66.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 66.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 66.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 66.7 | awaitingRoyalAssent | voteFails() | - | Ignored  (billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=false) | awaitingRoyalAssent |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 67.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 67.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 67.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 67.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 67.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 67.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 67.7 | awaitingRoyalAssent | introduceInHouse() | - | Ignored  (billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=false) | awaitingRoyalAssent |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 68.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 68.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 68.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 68.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 68.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 68.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 68.7 | awaitingRoyalAssent | introduceInSenate() | - | Ignored  (billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=false) | awaitingRoyalAssent |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 69.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 69.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 69.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 69.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 69.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 69.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 69.7 | awaitingRoyalAssent | withdraw() | - | Ignored  (billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=false) | awaitingRoyalAssent |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 70.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 70.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 70.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 70.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 70.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 70.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 70.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 70.8 | actOfParliament | modify() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 71.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 71.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 71.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 71.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 71.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 71.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 71.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 71.8 | actOfParliament | votePasses() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 72.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 72.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 72.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 72.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 72.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 72.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 72.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 72.8 | actOfParliament | voteFails() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 73.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 73.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 73.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 73.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 73.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 73.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 73.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 73.8 | actOfParliament | introduceInHouse() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 74.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 74.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 74.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 74.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 74.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 74.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 74.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 74.8 | actOfParliament | introduceInSenate() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 75.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 75.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 75.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 75.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 75.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 75.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 75.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 75.8 | actOfParliament | withdraw() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |

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| **ID** | **Start State** | **Event** | **Condition** | **Reaction** | **New State** |
| 76.1 | - | constructor | - | isCommonsBill=true  billState=inPreparation  billStateInHouseOfCommons=null  billStateInSenate=null | inPreparation |
| 76.2 | inPreparation | introduceInSenate() | - | isCommonsBill=false  billState=inSenate  billStateInSenate=firstReadingS  wasEventProcessed=true | firstReadingS |
| 76.3 | firstReadingS | votePasses() | - | billStateInSenate=secondReadingS  wasEventProcessed=true | secondReadingS |
| 76.4 | secondReadingS | votePasses() | - | billStateInSenate=committeeConsiderationS  wasEventProcessed=true | committeeConsiderationS |
| 76.5 | committeeConsiderationS | votePasses() | - | billStateInSenate=thirdReadingS  isCommonsBill=true  wasEventProcessed=true | thirdReadingS |
| 76.6 | thirdReadingS | votePasses() | getIsCommonsBill() =true | billStateInSenate=null  billState=awaitingRoyalAssent  wasEventProcessed=true | awaitingRoyalAssent |
| 76.7 | awaitingRoyalAssent | royalAssent() | - | billState=actOfParliament  wasEventProcessed=true | actOfParliament |
| 76.8 | actOfParliament | royalAssent() | - | Ignored  (billState=actOfParliament  wasEventProcessed=false) | actOfParliament |