Console

<terminated> NFAtoDFA [Java Application] C:\Program Files\Java\jdk-13\bin\javaw.exe (Nov 2, 2019, 5:01:15 PM)

```
Please enter the number of states:
3
State set of the NFA = {1,2,3}
Please enter the number of symbols in the alphabet:
2
Enter the Symbols in the alphabet:
a
b
Alphabet of the NFA = {a,b}
Enter the transition function result in set format "{1,2,...}":
Delta(1,a) = {0}
Delta(1,b) = {2}
Delta(1,epsilon) = {3}
Delta(2,a) = {2,3}
Delta(2,b) = {3}
Delta(2,epsilon) = {0}
Delta(3,a) = {1}
Delta(3,b) = {0}
Delta(3,epsilon) = {0}
Please enter the start state:
1
Please enter all final states on one line in format "{1,2,...,n)": {1}

================Equivalent DFA==================
State set of the DFA = { {},{1},{2},{1,2},{3},{1,3},{2,3},{1,2,3} }
Alphabet of the DFA = {a,b}
Transition function of the DFA:
Delta'({},a) = empty
Delta'({},b) = empty
Delta'({1},a) = empty
Delta'({1},b) ={2}
Delta'({2},a) ={2,3}
Delta'({2},b) ={3}
Delta'({1,2},a) ={2,3}
Delta'({1,2},b) ={2,3}
Delta'({3},a) ={1,3}
Delta'({3},b) = empty
Delta'({1,3},a) ={1,3}
Delta'({1,3},b) ={2}
Delta'({2,3},a) ={1,2,3}
Delta'({2,3},b) ={3}
Delta'({1,2,3},a) ={1,2,3}
Delta'({1,2,3},b) ={2,3}
Start state of the DFA = {1,3}
Final state set of the DFA = {{1}{1,2}{1,3}{1,2,3}}
```

Console

<terminated> NFAtoDFA [Java Application] C:\Program Files\Java\jdk-13\bin\javaw.exe (Nov 2, 2019, 5:29:39 PM)

```
Please enter the number of states:
2
State set of the NFA = {1,2}
Please enter the number of symbols in the alphabet:
2
Enter the Symbols in the alphabet:
a
b
Alphabet of the NFA = {a,b}
Enter the transition function result in set format "{1,2,...}":
Delta(1,a) = {0}
Delta(1,b) = {2}
Delta(1,epsilon) = {2}
Delta(2,a) = {1}
Delta(2,b) = {0}
Delta(2,epsilon) = {0}
Please enter the start state:
1
Please enter all final states on one line in format "{1,2,...,n)": {1}

================Equivalent DFA==================
State set of the DFA = { {},{1},{2},{1,2} }
Alphabet of the DFA = {a,b}
Transition function of the DFA:
Delta'({},a) = empty
Delta'({},b) = empty
Delta'({1},a) = empty
Delta'({1},b) ={2}
Delta'({2},a) ={1,2}
Delta'({2},b) = empty
Delta'({1,2},a) ={1,2}
Delta'({1,2},b) ={2}
Start state of the DFA = {1,2}
Final state set of the DFA = {{1}{1,2}}
```

Console

<terminated> NFAtoDFA [Java Application] C:\Program Files\Java\jdk-13\bin\javaw.exe (Nov 2, 2019, 5:36:45 PM)

```
Please enter the number of states:
2
State set of the NFA = {1,2}
Please enter the number of symbols in the alphabet:
2
Enter the Symbols in the alphabet:
a
b
Alphabet of the NFA = {a,b}
Enter the transition function result in set format "{1,2,...}":
Delta(1,a) = {0}
Delta(1,b) = {2}
Delta(1,epsilon) = {2}
Delta(2,a) = {1}
Delta(2,b) = {0}
Delta(2,epsilon) = {0}
Please enter the start state:
1
Please enter all final states on one line in format "{1,2,...,n)": {2}

================Equivalent DFA==================
State set of the DFA = { {},{1},{2},{1,2} }
Alphabet of the DFA = {a,b}
Transition function of the DFA:
Delta'({},a) = empty
Delta'({},b) = empty
Delta'({1},a) = empty
Delta'({1},b) ={2}
Delta'({2},a) ={1,2}
Delta'({2},b) = empty
Delta'({1,2},a) ={1,2}
Delta'({1,2},b) ={2}
Start state of the DFA = {1,2}
Final state set of the DFA = {{2}{1,2}}
```