Enter n (1-50)4

0 Arrangement starting for queen 1

1 -------------- Depth START 1-----------

Attempting to place queen# 1 at column 1

Placed queen# 1 at column 1

Arrangement starting for queen 2

2 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

3 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 2 at column 2

4 Queen# 1 attacking diagonally being at 1 while trying for column 2

Attempting to place queen# 2 at column 3

Placed queen# 2 at column 3

Arrangement starting for queen 3

5 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

6 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 3 at column 2

7 Queen# 2 attacking diagonally being at 3 while trying for column 2

Attempting to place queen# 3 at column 3

8 Queen# 1 attacking diagonally being at 1 while trying for column 3

Attempting to place queen# 3 at column 4

9 Queen# 2 attacking diagonally being at 3 while trying for column 4

10 -------------- Depth END 3-----------3

Arrangement ending for queen 3

Attempting to place queen# 2 at column 4

Placed queen# 2 at column 4

Arrangement starting for queen 3

11 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

12 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 3 at column 2

Placed queen# 3 at column 2

Arrangement starting for queen 4

13 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

14 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 4 at column 2

15 Queen# 2 attacking diagonally being at 4 while trying for column 2

Attempting to place queen# 4 at column 3

16 Queen# 3 attacking diagonally being at 2 while trying for column 3

Attempting to place queen# 4 at column 4

17 Queen# 1 attacking diagonally being at 1 while trying for column 4

18 -------------- Depth END 4-----------5

Arrangement ending for queen 4

Attempting to place queen# 3 at column 3

19 Queen# 1 attacking diagonally being at 1 while trying for column 3

Attempting to place queen# 3 at column 4

20 Queen# 2 attacking columnwise being at 4 while trying for column 4

21 -------------- Depth END 3-----------5

Arrangement ending for queen 3

22 -------------- Depth END 2-----------5

Arrangement ending for queen 2

Attempting to place queen# 1 at column 2

Placed queen# 1 at column 2

Arrangement starting for queen 2

23 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

24 Queen# 1 attacking diagonally being at 2 while trying for column 1

Attempting to place queen# 2 at column 2

25 Queen# 1 attacking columnwise being at 2 while trying for column 2

Attempting to place queen# 2 at column 3

26 Queen# 1 attacking diagonally being at 2 while trying for column 3

Attempting to place queen# 2 at column 4

Placed queen# 2 at column 4

Arrangement starting for queen 3

27 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

Placed queen# 3 at column 1

Arrangement starting for queen 4

28 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

29 Queen# 3 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 4 at column 2

30 Queen# 1 attacking columnwise being at 2 while trying for column 2

Attempting to place queen# 4 at column 3

Placed queen# 4 at column 3

31 -------------

32 Displaying solution number # 1

0 1 0 0

0 0 0 1

1 0 0 0

0 0 1 0

33 -------------

Attempting to place queen# 4 at column 4

34 Queen# 2 attacking columnwise being at 4 while trying for column 4

35 -------------- Depth END 4-----------8

Arrangement ending for queen 4

Attempting to place queen# 3 at column 2

36 Queen# 1 attacking columnwise being at 2 while trying for column 2

Attempting to place queen# 3 at column 3

37 Queen# 2 attacking diagonally being at 4 while trying for column 3

Attempting to place queen# 3 at column 4

38 Queen# 1 attacking diagonally being at 2 while trying for column 4

39 -------------- Depth END 3-----------8

Arrangement ending for queen 3

40 -------------- Depth END 2-----------8

Arrangement ending for queen 2

Attempting to place queen# 1 at column 3

Placed queen# 1 at column 3

Arrangement starting for queen 2

41 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

Placed queen# 2 at column 1

Arrangement starting for queen 3

42 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

43 Queen# 1 attacking diagonally being at 3 while trying for column 1

Attempting to place queen# 3 at column 2

44 Queen# 2 attacking diagonally being at 1 while trying for column 2

Attempting to place queen# 3 at column 3

45 Queen# 1 attacking columnwise being at 3 while trying for column 3

Attempting to place queen# 3 at column 4

Placed queen# 3 at column 4

Arrangement starting for queen 4

46 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

47 Queen# 2 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 4 at column 2

Placed queen# 4 at column 2

48 -------------

49 Displaying solution number # 2

0 0 1 0

1 0 0 0

0 0 0 1

0 1 0 0

50 -------------

Attempting to place queen# 4 at column 3

51 Queen# 1 attacking columnwise being at 3 while trying for column 3

Attempting to place queen# 4 at column 4

52 Queen# 3 attacking columnwise being at 4 while trying for column 4

53 -------------- Depth END 4-----------11

Arrangement ending for queen 4

54 -------------- Depth END 3-----------11

Arrangement ending for queen 3

Attempting to place queen# 2 at column 2

55 Queen# 1 attacking diagonally being at 3 while trying for column 2

Attempting to place queen# 2 at column 3

56 Queen# 1 attacking columnwise being at 3 while trying for column 3

Attempting to place queen# 2 at column 4

57 Queen# 1 attacking diagonally being at 3 while trying for column 4

58 -------------- Depth END 2-----------11

Arrangement ending for queen 2

Attempting to place queen# 1 at column 4

Placed queen# 1 at column 4

Arrangement starting for queen 2

59 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

Placed queen# 2 at column 1

Arrangement starting for queen 3

60 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

61 Queen# 2 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 3 at column 2

62 Queen# 1 attacking diagonally being at 4 while trying for column 2

Attempting to place queen# 3 at column 3

Placed queen# 3 at column 3

Arrangement starting for queen 4

63 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

64 Queen# 1 attacking diagonally being at 4 while trying for column 1

Attempting to place queen# 4 at column 2

65 Queen# 3 attacking diagonally being at 3 while trying for column 2

Attempting to place queen# 4 at column 3

66 Queen# 2 attacking diagonally being at 1 while trying for column 3

Attempting to place queen# 4 at column 4

67 Queen# 1 attacking columnwise being at 4 while trying for column 4

68 -------------- Depth END 4-----------14

Arrangement ending for queen 4

Attempting to place queen# 3 at column 4

69 Queen# 1 attacking columnwise being at 4 while trying for column 4

70 -------------- Depth END 3-----------14

Arrangement ending for queen 3

Attempting to place queen# 2 at column 2

Placed queen# 2 at column 2

Arrangement starting for queen 3

71 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

72 Queen# 2 attacking diagonally being at 2 while trying for column 1

Attempting to place queen# 3 at column 2

73 Queen# 1 attacking diagonally being at 4 while trying for column 2

Attempting to place queen# 3 at column 3

74 Queen# 2 attacking diagonally being at 2 while trying for column 3

Attempting to place queen# 3 at column 4

75 Queen# 1 attacking columnwise being at 4 while trying for column 4

76 -------------- Depth END 3-----------15

Arrangement ending for queen 3

Attempting to place queen# 2 at column 3

77 Queen# 1 attacking diagonally being at 4 while trying for column 3

Attempting to place queen# 2 at column 4

78 Queen# 1 attacking columnwise being at 4 while trying for column 4

Arrangement ending for queen 2

80 -------------- Depth END 1-----------15

81 Arrangement ending for queen1

82 Generated and displayed total 2 solutions.

PS C:\Users\jigar\OneDrive\Documents\DAA\prog\DAA> & 'c:\Users\jigar\.vscode\extensions\ms-vscode.cpptools-1.2.1\debugAdapters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MIEngine-In-1bb4fsno.qj5' '--stdout=Microsoft-MIEngine-Out-2dr51byf.say' '--stderr=Microsoft-MIEngine-Error-hjstmoqs.yfv' '--pid=Microsoft-MIEngine-Pid-411mkauz.3kx' '--dbgExe=C:\Program Files (x86)\mingw-w64\i686-8.1.0-posix-dwarf-rt\_v6-rev0\mingw32\bin\gdb.exe' '--interpreter=mi'

Enter n (1-50)4

0 Arrangement starting for queen 1

1 -------------- Depth START 1-----------

Attempting to place queen# 1 at column 1

Placed queen# 1 at column 1

Arrangement starting for queen 2

2 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

3 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 2 at column 2

4 Queen# 1 attacking diagonally being at 1 while trying for column 2

Attempting to place queen# 2 at column 3

Placed queen# 2 at column 3

Arrangement starting for queen 3

5 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

6 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 3 at column 2

7 Queen# 2 attacking diagonally being at 3 while trying for column 2

Attempting to place queen# 3 at column 3

8 Queen# 1 attacking diagonally being at 1 while trying for column 3

Attempting to place queen# 3 at column 4

9 Queen# 2 attacking diagonally being at 3 while trying for column 4

10 -------------- Depth END 3----------- with total calls 3

Arrangement ending for queen 3

Attempting to place queen# 2 at column 4

Placed queen# 2 at column 4

Arrangement starting for queen 3

11 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

12 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 3 at column 2

Placed queen# 3 at column 2

Arrangement starting for queen 4

13 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

14 Queen# 1 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 4 at column 2

15 Queen# 2 attacking diagonally being at 4 while trying for column 2

Attempting to place queen# 4 at column 3

16 Queen# 3 attacking diagonally being at 2 while trying for column 3

Attempting to place queen# 4 at column 4

17 Queen# 1 attacking diagonally being at 1 while trying for column 4

18 -------------- Depth END 4----------- with total calls 5

Arrangement ending for queen 4

Attempting to place queen# 3 at column 3

19 Queen# 1 attacking diagonally being at 1 while trying for column 3

Attempting to place queen# 3 at column 4

20 Queen# 2 attacking columnwise being at 4 while trying for column 4

21 -------------- Depth END 3----------- with total calls 5

Arrangement ending for queen 3

22 -------------- Depth END 2----------- with total calls 5

Arrangement ending for queen 2

Attempting to place queen# 1 at column 2

Placed queen# 1 at column 2

Arrangement starting for queen 2

23 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

24 Queen# 1 attacking diagonally being at 2 while trying for column 1

Attempting to place queen# 2 at column 2

25 Queen# 1 attacking columnwise being at 2 while trying for column 2

Attempting to place queen# 2 at column 3

26 Queen# 1 attacking diagonally being at 2 while trying for column 3

Attempting to place queen# 2 at column 4

Placed queen# 2 at column 4

Arrangement starting for queen 3

27 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

Placed queen# 3 at column 1

Arrangement starting for queen 4

28 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

29 Queen# 3 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 4 at column 2

30 Queen# 1 attacking columnwise being at 2 while trying for column 2

Attempting to place queen# 4 at column 3

Placed queen# 4 at column 3

31 -------------

32 Displaying solution number # 1

0 1 0 0

0 0 0 1

1 0 0 0

0 0 1 0

33 -------------

Attempting to place queen# 4 at column 4

34 Queen# 2 attacking columnwise being at 4 while trying for column 4

35 -------------- Depth END 4----------- with total calls 8

Arrangement ending for queen 4

Attempting to place queen# 3 at column 2

36 Queen# 1 attacking columnwise being at 2 while trying for column 2

Attempting to place queen# 3 at column 3

37 Queen# 2 attacking diagonally being at 4 while trying for column 3

Attempting to place queen# 3 at column 4

38 Queen# 1 attacking diagonally being at 2 while trying for column 4

39 -------------- Depth END 3----------- with total calls 8

Arrangement ending for queen 3

40 -------------- Depth END 2----------- with total calls 8

Arrangement ending for queen 2

Attempting to place queen# 1 at column 3

Placed queen# 1 at column 3

Arrangement starting for queen 2

41 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

Placed queen# 2 at column 1

Arrangement starting for queen 3

42 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

43 Queen# 1 attacking diagonally being at 3 while trying for column 1

Attempting to place queen# 3 at column 2

44 Queen# 2 attacking diagonally being at 1 while trying for column 2

Attempting to place queen# 3 at column 3

45 Queen# 1 attacking columnwise being at 3 while trying for column 3

Attempting to place queen# 3 at column 4

Placed queen# 3 at column 4

Arrangement starting for queen 4

46 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

47 Queen# 2 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 4 at column 2

Placed queen# 4 at column 2

48 -------------

49 Displaying solution number # 2

0 0 1 0

1 0 0 0

0 0 0 1

0 1 0 0

50 -------------

Attempting to place queen# 4 at column 3

51 Queen# 1 attacking columnwise being at 3 while trying for column 3

Attempting to place queen# 4 at column 4

52 Queen# 3 attacking columnwise being at 4 while trying for column 4

53 -------------- Depth END 4----------- with total calls 11

Arrangement ending for queen 4

54 -------------- Depth END 3----------- with total calls 11

Arrangement ending for queen 3

Attempting to place queen# 2 at column 2

55 Queen# 1 attacking diagonally being at 3 while trying for column 2

Attempting to place queen# 2 at column 3

56 Queen# 1 attacking columnwise being at 3 while trying for column 3

Attempting to place queen# 2 at column 4

57 Queen# 1 attacking diagonally being at 3 while trying for column 4

58 -------------- Depth END 2----------- with total calls 11

Arrangement ending for queen 2

Attempting to place queen# 1 at column 4

Placed queen# 1 at column 4

Arrangement starting for queen 2

59 -------------- Depth START 2-----------

Attempting to place queen# 2 at column 1

Placed queen# 2 at column 1

Arrangement starting for queen 3

60 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

61 Queen# 2 attacking columnwise being at 1 while trying for column 1

Attempting to place queen# 3 at column 2

62 Queen# 1 attacking diagonally being at 4 while trying for column 2

Attempting to place queen# 3 at column 3

Placed queen# 3 at column 3

Arrangement starting for queen 4

63 -------------- Depth START 4-----------

Attempting to place queen# 4 at column 1

64 Queen# 1 attacking diagonally being at 4 while trying for column 1

Attempting to place queen# 4 at column 2

65 Queen# 3 attacking diagonally being at 3 while trying for column 2

Attempting to place queen# 4 at column 3

66 Queen# 2 attacking diagonally being at 1 while trying for column 3

Attempting to place queen# 4 at column 4

67 Queen# 1 attacking columnwise being at 4 while trying for column 4

68 -------------- Depth END 4----------- with total calls 14

Arrangement ending for queen 4

Attempting to place queen# 3 at column 4

69 Queen# 1 attacking columnwise being at 4 while trying for column 4

70 -------------- Depth END 3----------- with total calls 14

Arrangement ending for queen 3

Attempting to place queen# 2 at column 2

Placed queen# 2 at column 2

Arrangement starting for queen 3

71 -------------- Depth START 3-----------

Attempting to place queen# 3 at column 1

72 Queen# 2 attacking diagonally being at 2 while trying for column 1

Attempting to place queen# 3 at column 2

73 Queen# 1 attacking diagonally being at 4 while trying for column 2

Attempting to place queen# 3 at column 3

74 Queen# 2 attacking diagonally being at 2 while trying for column 3

Attempting to place queen# 3 at column 4

75 Queen# 1 attacking columnwise being at 4 while trying for column 4

76 -------------- Depth END 3----------- with total calls 15

Arrangement ending for queen 3

Attempting to place queen# 2 at column 3

77 Queen# 1 attacking diagonally being at 4 while trying for column 3

Attempting to place queen# 2 at column 4

78 Queen# 1 attacking columnwise being at 4 while trying for column 4

79 -------------- Depth END 2----------- with total calls 15

Arrangement ending for queen 2

80 -------------- Depth END 1----------- with total calls 15

81 Arrangement ending for queen1

82 Generated and displayed total 2 solutions.