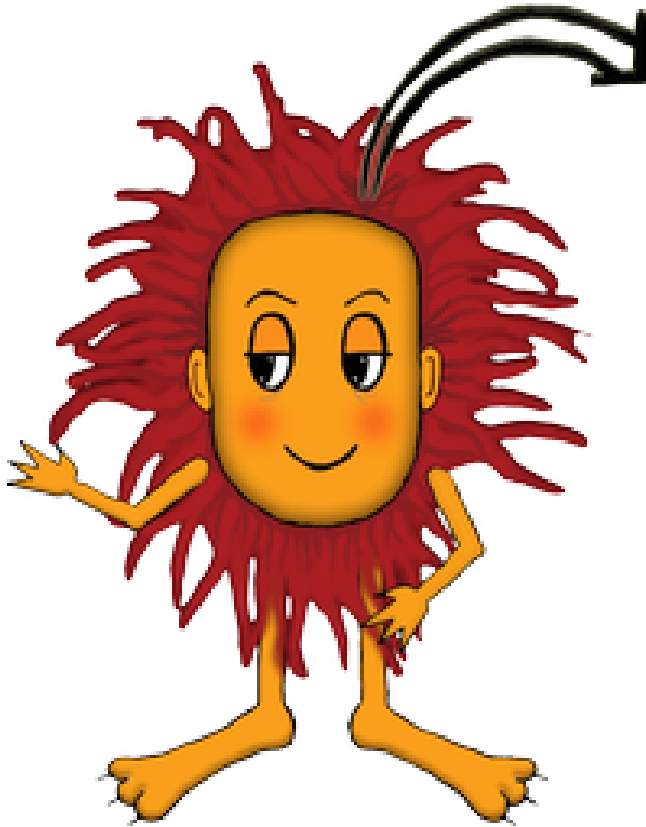


Velika logična pošast



Diofantska enačba $ax+by=c$

Dana je diofantska enačba
 $ax+by=c$.
Poišči njeno rešitev, če obstaja.

1.

$$30x + 16y = 4$$

2.

$$33x + 19y = 4$$

3.

$$22x + 24y = 6$$

4.

$$37x + 25y = 8$$

5.

$$34x + 6y = 5$$

6.

$$17x + 16y = 1$$

7.

$$30x + 16y = 3$$

8.

$$9x + 7y = 3$$

9.

$$20x + 24y = 1$$

10.

$$14x + 8y = 0$$

11.

$$28x + 23y = 4$$

12.

$$27x + 6y = 1$$

13.

$$27x + 19y = 6$$

14.

$$15x + 17y = 7$$

15.

$$20x + 21y = 9$$

16.

$$39x + 19y = 6$$

17.

$$14x + 23y = 2$$

18.

$$14x + y = 5$$

19.

$$12x + 10y = 8$$

20.

$$34x + 13y = 5$$

21.

$$34x + 8y = 4$$

22.

$$39x + 16y = 0$$

23.

$$11x + 9y = 3$$

24.

$$25x + 19y = 2$$

25.

$$19x + 22y = 1$$

26.

$$28x + 4y = 8$$

27.

$$12x + 21y = 0$$

28.

$$12x + 23y = 6$$

29.

$$21x + 22y = 2$$

30.

$$17x + 20y = 6$$

31.

$$13x + 14y = 5$$

32.

$$19x + 11y = 4$$

33.

$$25x + 15y = 4$$

34.

$$18x + 14y = 4$$

35.

$$32x + 6y = 6$$

36.

$$24x + 6y = 8$$

37.

$$36x + 10y = 9$$

38.

$$30x + 19y = 7$$

39.

$$28x + 11y = 5$$

40.

$$34x + 21y = 1$$

41.

$$13x + 13y = 9$$

42.

$$12x + 11y = 6$$

43.

$$32x + 20y = 1$$

44.

$$32x + 7y = 9$$

45.

$$19x + y = 1$$

46.

$$39x + 8y = 9$$

47.

$$31x + 6y = 8$$

48.

$$38x + 24y = 1$$

49.

$$16x + y = 8$$

50.

$$38x + 5y = 1$$

51.

$$17x + 9y = 5$$

52.

$$39x + y = 8$$

53.

$$28x + 16y = 2$$

54.

$$33x + 18y = 5$$

55.

$$10x + 19y = 4$$

56.

$$22x + 11y = 9$$

57.

$$32x + 7y = 0$$

58.

$$16x + 8y = 2$$

59.

$$30x + 4y = 7$$

60.

$$20x + 8y = 9$$

61.

$$10x + 8y = 9$$

62.

$$10x + 15y = 7$$

63.

$$29x + 7y = 7$$

64.

$$10x + 25y = 2$$

65.

$$28x + 25y = 9$$

66.

$$35x + 22y = 6$$

67.

$$27x + 23y = 0$$

68.

$$25x + 23y = 0$$

69.

$$25x + 14y = 7$$

70.

$$26x + 10y = 5$$

71.

$$28x + 12y = 1$$

72.

$$30x + 13y = 7$$

73.

$$20x + 19y = 5$$

74.

$$31x + 10y = 8$$

75.

$$19x + 21y = 1$$

76.

$$17x + 26y = 6$$

77.

$$21x + 13y = 6$$

78.

$$9x + 26y = 6$$

79.

$$29x + 19y = 4$$

80.

$$24x + 12y = 6$$

81.

$$27x + 22y = 3$$

82.

$$30x + 2y = 7$$

83.

$$33x + 24y = 2$$

84.

$$33x + 4y = 6$$

85.

$$24x + 13y = 6$$

86.

$$20x + 17y = 7$$

87.

$$29x + 17y = 4$$

88.

$$35x + 5y = 6$$

89.

$$19x + 13y = 7$$

90.

$$37x + 5y = 4$$

91.

$$36x + 26y = 0$$

92.

$$17x + 22y = 8$$

93.

$$21x + 15y = 9$$

94.

$$26x + 15y = 6$$

95.

$$24x + 18y = 7$$

96.

$$18x + 8y = 2$$

97.

$$28x + 23y = 7$$

98.

$$31x + 7y = 8$$

99.

$$12x + 3y = 2$$

100.

$$30x + 3y = 9$$

Rešitve:

1.

$$\{x = 8s + 6, y = -15s - 11\}$$

2.

$$\{x = 19s + 3, y = -33s - 5\}$$

3.

$$\{x = 12s + 9, y = -11s - 8\}$$

4.

$$\{x = 25s + 9, y = -37s - 13\}$$

5.

protislovna enačba

6.

$$\{x = 16s + 1, y = -17s - 1\}$$

7.

protislovna enačba

8.

$$\{x = 7s + 5, y = -9s - 6\}$$

9.

protislovna enačba

10.

$$\{x = 4s, y = -7s\}$$

11.

$$\{x = 23s + 10, y = -28s - 12\}$$

12.

protislovna enačba

13.

$$\{x = 19s + 15, y = -27s - 21\}$$

14.

$$\{x = 17s + 5, y = -15s - 4\}$$

15.

$$\{x = 21s + 12, y = -20s - 11\}$$

16.

$$\{x = 19s + 6, y = -39s - 12\}$$

17.

$$\{x = 23s + 10, y = -14s - 6\}$$

18.

$$\{x = s, y = 5 - 14s\}$$

19.

$$\{x = 5s + 4, y = -6s - 4\}$$

20.

$$\{x = 13s + 12, y = -34s - 31\}$$

21.

$$\{x = 4s + 2, y = -17s - 8\}$$

22.

$$\{x = 16s, y = -39s\}$$

23.

$$\{x = 9s + 6, y = -11s - 7\}$$

24.

$$\{x = 19s + 13, y = -25s - 17\}$$

25.

$$\{x = 22s + 7, y = -19s - 6\}$$

26.

$$\{x = s, y = 2 - 7s\}$$

27.

$$\{x = 7s, y = -4s\}$$

28.

$$\{x = 23s + 12, y = -12s - 6\}$$

29.

$$\{x = 22s + 20, y = -21s - 19\}$$

30.

$$\{x = 20s + 18, y = -17s - 15\}$$

31.

$$\{x = 14s + 9, y = -13s - 8\}$$

32.

$$\{x = 11s + 6, y = -19s - 10\}$$

33.

protislovna enačba

34.

$$\{x = 7s + 1, y = -9s - 1\}$$

35.

$$\{x = 3s, y = 1 - 16s\}$$

36.

protislovna enačba

37.

protislovna enačba

38.

$$\{x = 19s + 11, y = -30s - 17\}$$

39.

$$\{x = 11s + 10, y = -28s - 25\}$$

40.

$$\{x = 21s + 13, y = -34s - 21\}$$

41.

protislovna enačba

42.

$$\{x = 11s + 6, y = -12s - 6\}$$

43.

protislovna enačba

44.

$$\{x = 7s + 4, y = -32s - 17\}$$

45.

$$\{x = s, y = 1 - 19s\}$$

46.

$$\{x = 8s + 7, y = -39s - 33\}$$

47.

$$\{x = 6s + 2, y = -31s - 9\}$$

48.

protislovna enačba

49.

$$\{x = s, y = 8 - 16s\}$$

50.

$$\{x = 5s + 2, y = -38s - 15\}$$

51.

$$\{x = 9s + 4, y = -17s - 7\}$$

52.

$$\{x = s, y = 8 - 39s\}$$

53.

protislovna enačba

54.

protislovna enačba

55.

$$\{x = 19s + 8, y = -10s - 4\}$$

56.

protislovna enačba

57.

$$\{x = 7s, y = -32s\}$$

58.

protislovna enačba

59.

protislovna enačba

60.

protislovna enačba

61.

protislovna enačba

62.
protislovna enačba

63.
 $\{x = 7s, y = 1 - 29s\}$

64.
protislovna enačba

65.
 $\{x = 25s + 3, y = -28s - 3\}$

66.
 $\{x = 22s + 14, y = -35s - 22\}$

67.
 $\{x = 23s, y = -27s\}$

68.
 $\{x = 23s, y = -25s\}$

69.
 $\{x = 14s + 7, y = -25s - 12\}$

70.
protislovna enačba

71.
protislovna enačba

72.
 $\{x = 13s + 5, y = -30s - 11\}$

73.
 $\{x = 19s + 5, y = -20s - 5\}$

74.
 $\{x = 10s + 8, y = -31s - 24\}$

75.
 $\{x = 21s + 10, y = -19s - 9\}$

76.
 $\{x = 26s + 8, y = -17s - 5\}$

77.
 $\{x = 13s + 4, y = -21s - 6\}$

78.
 $\{x = 26s + 18, y = -9s - 6\}$

79.
 $\{x = 19s + 8, y = -29s - 12\}$

80.
protislovna enačba

81.
 $\{x = 22s + 5, y = -27s - 6\}$

82.

protislovna enačba

83.

protislovna enačba

84.

$$\{x = 4s + 2, y = -33s - 15\}$$

85.

$$\{x = 13s + 10, y = -24s - 18\}$$

86.

$$\{x = 17s + 8, y = -20s - 9\}$$

87.

$$\{x = 17s + 6, y = -29s - 10\}$$

88.

protislovna enačba

89.

$$\{x = 13s + 12, y = -19s - 17\}$$

90.

$$\{x = 5s + 2, y = -37s - 14\}$$

91.

$$\{x = 13s, y = -18s\}$$

92.

$$\{x = 22s + 16, y = -17s - 12\}$$

93.

$$\{x = 5s + 4, y = -7s - 5\}$$

94.

$$\{x = 15s + 6, y = -26s - 10\}$$

95.

protislovna enačba

96.

$$\{x = 4s + 1, y = -9s - 2\}$$

97.

$$\{x = 23s + 6, y = -28s - 7\}$$

98.

$$\{x = 7s + 5, y = -31s - 21\}$$

99.

protislovna enačba

100.

$$\{x = s, y = 3 - 10s\}$$