

First section: 'winners1029' — Sets with size 10 that have less than or equal to 29 sums.

1. $[(0, 0), (0, 1), (0, 2), (0, 3), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (3, 0)],$
2. $[(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1)],$
3. $[(0, 0), (0, 1), (0, 2), (0, 3), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2)],$
4. $[(0, 0), (0, 1), (0, 2), (0, 3), (1, 0), (1, 1), (1, 2), (1, 3), (2, 0), (2, 1)],$
5. $[(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 0), (1, 1), (1, 2), (1, 3), (2, 0)],$
6. $[(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (0, 5), (1, 0), (1, 1), (1, 2), (2, 0)],$
7. $[(0, 0), (0, 1), (0, 2), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (3, 1)],$
8. $[(0, 0), (0, 1), (0, 2), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (2, 3)],$
9. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0)],$
10. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (3, 0), (3, 1)],$
11. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (3, 1), (3, 2)]$
12. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (2, 0), (2, 1), (2, 2), (2, 3)],$
13. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (2, 3), (2, 4)],$
14. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (2, 2), (3, 0), (3, 1), (4, 0)],$
15. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (4, 1)],$

16. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (5, 0)],$
17. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (5, 1)],$
18. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (6, 0)],$
19. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (2, 2), (3, 0), (3, 1), (3, 2)],$
20. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 1), (5, 0)],$
21. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 1), (5, 1)],$
22. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 1), (6, 1)],$
23. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (4, 1), (5, 0)],$
24. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0)],$
25. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (7, 0)],$
26. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 1), (4, 0), (4, 1), (5, 1)],$
27. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (2, 2), (3, 1), (3, 2), (4, 2)],$
28. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 1), (4, 1), (5, 1), (6, 1)],$
29. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 1), (4, 1), (5, 1), (7, 1)],$
30. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (3, 1), (4, 0), (5, 0), (6, 0)],$
31. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0)],$

32. $[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0)],$
33. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 1), (2, 2), (3, 1), (3, 2), (4, 2)],$
34. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 1), (2, 2), (2, 3), (3, 2), (3, 3)],$
35. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 1), (2, 2), (2, 3), (3, 3), (3, 4)],$
36. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (2, 2), (2, 3), (2, 4), (2, 5)],$
37. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (1, 7)],$
38. $[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 2), (2, 3), (3, 3), (3, 4), (4, 5)],$
39. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (4, 1), (5, 0)],$
40. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (5, 0), (6, 0)],$
41. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (4, 1), (5, 1)],$
42. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (3, 1), (4, 1), (5, 1), (6, 1)],$
43. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (4, 1), (5, 0), (6, 0)],$
44. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0)],$
45. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0)],$
46. $[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 1), (4, 1), (5, 1), (6, 1), (7, 1)],$
47. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (3, 1), (4, 0), (5, 0), (6, 0), (7, 0)],$

48. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (8, 0)],$
49. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (9, 0)],$
50. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (10, 0)],$
51. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0), (9, 0)],$
52. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0), (10, 0)],$
53. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (7, 0), (8, 0), (9, 0)],$
54. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (6, 0), (7, 0), (8, 0), (9, 0)],$
55. $[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (5, 0), (6, 0), (7, 0), (8, 0), (9, 0)],$
56. $[(0, 0), (0, 1), (1, 0), (2, 0), (4, 0), (5, 0), (6, 0), (7, 0), (8, 0), (9, 0)]$

Second section: 'Winners925' — List of Sets with size 9 and at most 25 sums, when one element is added and the new sumset size is less than or equal to 29 sums.

1.

$[(0, 0), (0, 1), (0, 2), (0, 3), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (0, -1)]$

2.

$[(0, 0), (0, 1), (0, 2), (0, 3), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (1, -1)]$

3.

$[(0, 0), (0, 1), (0, 2), (0, 3), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, -1)]$

4.

$[(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 0), (1, 1), (1, 2), (2, 0), (0, -1)]$

5.

$[(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 0), (1, 1), (1, 2), (2, 0), (1, -1)]$

6.

$[(0, 0), (0, 1), (0, 2), (0, 3), (0, 4), (1, 0), (1, 1), (1, 2), (2, 0), (2, -1)]$

7.

$[(0, 0), (0, 1), (0, 2), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (-1, 0)]$

8.

$[(0, 0), (0, 1), (0, 2), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (-1, 1)]$

9.

$[(0, 0), (0, 1), (0, 2), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (0, -1)]$

10.

$[(0, 0), (0, 1), (0, 2), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (1, -1)]$

11.

$[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (2, 0), (2, 1), (2, 2), (2, 3), (-1, 0)]$

12.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (-2, 0)]$

13.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (-2, 1)]

14.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (-1, 0)]

15.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (-1, 1)]

16.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 0), (0, 2)]

17.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 1), (1, -1)]

18.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (3, 1), (4, 1), (2, -1)]

19.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (-2, 0)]

20.

[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (-2, 1)]

21.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (-1, 0)]$

22.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (-1, 1)]$

23.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (-1, 2)]$

24.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (0, 2)]$

25.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (-2, 0)]$

26.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (-2, 1)]$

27.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (-1, 0)]$

28.

$[(0, 0), (0, 1), (1, 0), (1, 1), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (-1, 1)]$

29.

$[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (0, -2)]$

30.

[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (0, -1)]

31.

[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (0, 2)]

32.

[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (0, 3)]

33.

[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (1, -2)]

34.

[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (1, -1)]

35.

[(0, 0), (0, 1), (1, 0), (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (1, 8)]

36.

[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0), (-2, 0)]

37.

[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0), (-2, 1)]

38.

[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0), (-1, 0)]

39.

$[(0, 0), (0, 1), (1, 0), (2, 0), (2, 1), (3, 0), (4, 0), (5, 0), (6, 0), (-1, 1)]$

40.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (-3, 0)]$

41.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (-3, 1)]$

42.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (-2, 0)]$

43.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (-2, 1)]$

44.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (-1, 0)]$

45.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (7, 0), (-1, 1)]$

46.

$[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0), (-2, 0)]$

47.

[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0), (-2, 1)]

48.

[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0), (-1, 0)]

49.

[(0, 0), (0, 1), (1, 0), (2, 0), (3, 0), (4, 0), (5, 0), (6, 0), (8, 0), (-1, 1)]

Section 3: 'Winners821' — set with 8 elements, add two new elements, new set has size 10 and less than or equal to 29 sums.

```
#1: [(0, 1), (4, 0), (2, 1), (0, 0), (1, 1), (2, 0), (-3, 0), (3, 0), (-1, 0), (1, 0)]
#2: [(0, 1), (4, 0), (2, 1), (-3, 1), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (1, 0)]
#3: [(0, 1), (4, 0), (2, 1), (0, 0), (1, 1), (2, 0), (3, 0), (-2, 0), (-1, 0), (1, 0)]
#4: [(0, 1), (4, 0), (2, 1), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (-2, 0), (1, 0)]
#5: [(0, 1), (4, 0), (2, 1), (0, 0), (-2, 1), (1, 1), (2, 0), (3, 0), (-1, 0), (1, 0)]
#6: [(0, 1), (4, 0), (2, 1), (0, 0), (-2, 1), (1, 1), (-1, 1), (2, 0), (3, 0), (1, 0)]
#7: [(0, 1), (4, 0), (2, 1), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (1, 0), (-2, 2)]
#8: [(0, 1), (4, 0), (2, 1), (0, 0), (1, 1), (2, 0), (3, 0), (-1, 0), (0, 2), (1, 0)]
#9: [(0, 1), (4, 0), (1, 2), (2, 1), (0, 0), (1, 1), (2, 0), (3, 0), (-1, 0), (1, 0)]
#10: [(0, 1), (4, 0), (2, 1), (0, 0), (1, 1), (2, 0), (3, 0), (-1, 0), (6, 0), (1, 0)]
#11: [(0, 1), (4, 0), (2, 1), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (1, 0), (-1, 2)]
#12: [(0, 1), (4, 0), (2, 1), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (6, 0), (1, 0)]
#13: [(0, 1), (4, 0), (0, 0), (1, 1), (2, 0), (-3, 0), (3, 0), (-1, 0), (5, 0), (1, 0)]
#14: [(0, 1), (4, 0), (-3, 1), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (5, 0), (1, 0)]
#15: [(0, 1), (4, 0), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (-3, 2), (5, 0), (1, 0)]
#16: [(0, 1), (4, 0), (0, 0), (1, 1), (2, 0), (3, 0), (-2, 0), (-1, 0), (5, 0), (1, 0)]
#17: [(0, 1), (4, 0), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (-2, 0), (5, 0), (1, 0)]
#18: [(0, 1), (4, 0), (0, 0), (-2, 1), (1, 1), (2, 0), (3, 0), (-1, 0), (5, 0), (1, 0)]
#19: [(0, 1), (4, 0), (0, 0), (-2, 1), (1, 1), (-1, 1), (2, 0), (3, 0), (5, 0), (1, 0)]
#20: [(0, 1), (4, 0), (0, 0), (-1, 1), (1, 1), (2, 0), (3, 0), (5, 0), (1, 0), (-2, 2)]
#21: [(0, 1), (4, 0), (0, 0), (3, 1), (1, 1), (2, 0), (3, 0), (-1, 0), (5, 0), (1, 0)]
#22: [(0, 1), (4, 0), (0, 0), (1, 1), (7, 0), (2, 0), (3, 0), (-1, 0), (5, 0), (1, 0)]
#23: [(0, 1), (4, 0), (0, 0), (3, 1), (-1, 1), (1, 1), (2, 0), (3, 0), (5, 0), (1, 0)]
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#24: [(0, 1), (4, 0), (0, 0), (-1, 1), (1, 1), (7, 0), (2, 0), (3, 0), (5, 0), (1, 0)]
#25: [(0, 1), (4, 0), (0, 0), (2, 0), (-3, 0), (3, 0), (-2, 0), (5, 0), (6, 0), (1, 0)]
#26: [(0, 1), (4, 0), (0, 0), (2, 0), (-3, 0), (3, 0), (-1, 0), (5, 0), (6, 0), (1, 0)]
#27: [(0, 1), (4, 0), (-3, 1), (0, 0), (-2, 1), (2, 0), (3, 0), (5, 0), (6, 0), (1, 0)]
#28: [(0, 1), (4, 0), (-3, 1), (0, 0), (2, 0), (3, 0), (-1, 0), (5, 0), (6, 0), (1, 0)]
#29: [(0, 1), (4, 0), (-3, 1), (0, 0), (-1, 1), (2, 0), (3, 0), (5, 0), (6, 0), (1, 0)]
#30: [(0, 1), (4, 0), (0, 0), (-2, 1), (2, 0), (3, 0), (-2, 0), (5, 0), (6, 0), (1, 0)]
#31: [(0, 1), (4, 0), (0, 0), (2, 0), (3, 0), (-2, 0), (-1, 0), (5, 0), (6, 0), (1, 0)]
#32: [(0, 1), (4, 0), (0, 0), (-1, 1), (2, 0), (3, 0), (-2, 0), (5, 0), (6, 0), (1, 0)]
#33: [(0, 1), (4, 0), (0, 0), (-2, 1), (2, 0), (3, 0), (-1, 0), (5, 0), (6, 0), (1, 0)]
#34: [(0, 1), (4, 0), (0, 0), (-2, 1), (-1, 1), (2, 0), (3, 0), (5, 0), (6, 0), (1, 0)]
#35: [(0, 1), (4, 0), (0, 0), (3, 1), (2, 0), (3, 0), (-1, 0), (5, 0), (6, 0), (1, 0)]