

3SUM:

The good, the bad, and the ugly

Jeff Erickson

SIGMA

May 4, 2026

3SUM

Given a set X of n integers, is $a+b+c=0$ for any $a,b,c \in X$?

3	1	4	-1	-5	9	2	6	5	-8	-9	8
---	---	---	----	----	---	---	---	---	----	----	---

23	15	31	-21	-15	19	-3	27	5	-11	-9	-17
----	----	----	-----	-----	----	----	----	---	-----	----	-----

