A pupil Tim gets homework to identify whether three line segments could possibly form a triangle.

However, this assignment is very heavy because there are hundreds of records to calculate.

Could you help Tim by writing a query to judge whether these three sides can form a triangle, assuming table triangle holds the length of the three sides x, y and z.

| x | y | z |

|----|----|----|

| 13 | 15 | 30 |

| 10 | 20 | 15 |

For the sample data above, your query should return the follow result:

| x | y | z | triangle |

|----|----|----|----------|

| 13 | 15 | 30 | No |

| 10 | 20 | 15 | Yes |

SELECT x,y,z,

CASE WHEN x + y > z AND x + z > y AND y + z > x THEN 'Yes' ELSE 'No' END AS triangle

FROM triangle;

SELECT \*,

IF (x + y > z AND x + z > y AND y + z > x, 'Yes','No') AS triangle

FROM triangle;