

$$|x_1| + |x_2| + \dots + |x_n| = 19 + |x_1 + x_2 + \dots + x_n| < n$$

$$n \geq 20$$

$$n = 20$$

$$x_{2k-1} = \frac{19}{20}$$

$$x_{2k} = -\frac{19}{20}$$

$$\left| \frac{19}{20} \right| + \left| -\frac{19}{20} \right| + \dots + \left| -\frac{19}{20} \right| = 20 \left(\frac{19}{20} \right) = 19$$

$$19 + \left| \frac{19}{20} - \frac{19}{20} + \dots - \frac{19}{20} \right| = 19 + 0 = 19$$

$$n = 20$$

A B C

A B C

A

$$\binom{8}{3}$$

B

$$\binom{8}{3} \cdot \binom{5}{3} = 560$$

C

A B C

$$\frac{8!}{3! \cdot 3! \cdot 2!} = \boxed{560}$$

1, 2, 3, 4, 5, 6, 7, 8, 9.

$$2^9 = 512$$

{1, 2, 3, 4, 5, 6, 7, 8, 9}

$$512 - 10 = \boxed{502}.$$