30   50

if a < 30

True   False   a > 30

if a < 50   if a < 50

True   False   30 < a < 50   True   a ≥ 50 False   a

Cout no   Cout yes   Cout no

6 ↓ ↓ ↓

$$1234$$
$$_8$$

×8   ✓   ×8   ×8

$$4 \times 8 + 3 \times 8 + 2 \times 8 + 1 \times 8$$

$$1285$$

$$f(x) = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} +$$

for i   1 ⟶ NUM TERMS

for i 1 ⟶ num_TERMS
    factorial
    powers of X
    Sign

    ~~for~~ polynomial += Sign * powers of X / factorial;

for i 1 ⟶ NUM_TERMS
    factorial

for j 1 ⟶ 2*i - 1
    factorial *= j