



SENTEC

SOCIETY FOR PROMOTION OF
SCIENCE ENGINEERING AND
TECHNOLOGY



PRESENTS



PROXION'26

CODE. CREATE. COMPETE.

EMOJI ALGORITHM

RULE BOOK

08-10 MAY 2026



ABOUT THE EVENT

Emoji Algorithm is a creative test of algorithmic decoding. The problem statements contain no English algorithm descriptions – only a custom emoji pseudocode, an emoji legend, and standard input/output specifications. Participants must interpret the emoji instructions and implement the correct algorithm.

REQUIREMENTS

- Laptop or desktop
- Stable internet
- Codeforces account
- Discord
- Allowed languages: C++17, Python 3.11, Java 17

MODULE FORMAT

- Mode: Individual
- Duration: 50 minutes
- Platform: Private Codeforces group contest
- Four main problems; a hidden bonus problem may unlock for those who solve all four
- Problem 4 includes partial scoring via subtasks (small and full constraints)

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EMOJI LEGEND

A one-page legend mapping emojis to programming operations will be sent to each participant exactly 5 minutes before the module begins. You may not possess the legend before that time.

SCORING SYSTEM

Ranking by total points:

- Problems 1-3: full points when all tests pass
- Problem 4: points per subtask
- Bonus problem (if unlocked): extra points without penalty

Tie-breakers:

- Lower total penalty time (only on problems/subtasks that score)
- Earlier time of last scoring submission
- If still tied, rank is shared

RULES & REGULATIONS

- The emoji pseudocode is the only algorithm description; you must decode it using the official legend
- No translation of the emoji text using external or AI tools
- AI tools are strictly prohibited for any part of the solution
- Only language documentation and personal notes allowed
- Collaboration or code sharing is forbidden

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PENALTIES & TIE-BREAKERS

- 10-minute penalty per incorrect submission on problems that eventually score
- Disqualification: using AI, sharing code, possessing the legend early, or any other rule breach

RECOGNITION

- Emoji Algorithm Champion – 1st place
- Cipher Breaker – first participant to solve all four main problems (and bonus, if available)

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