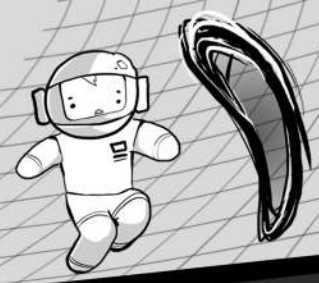
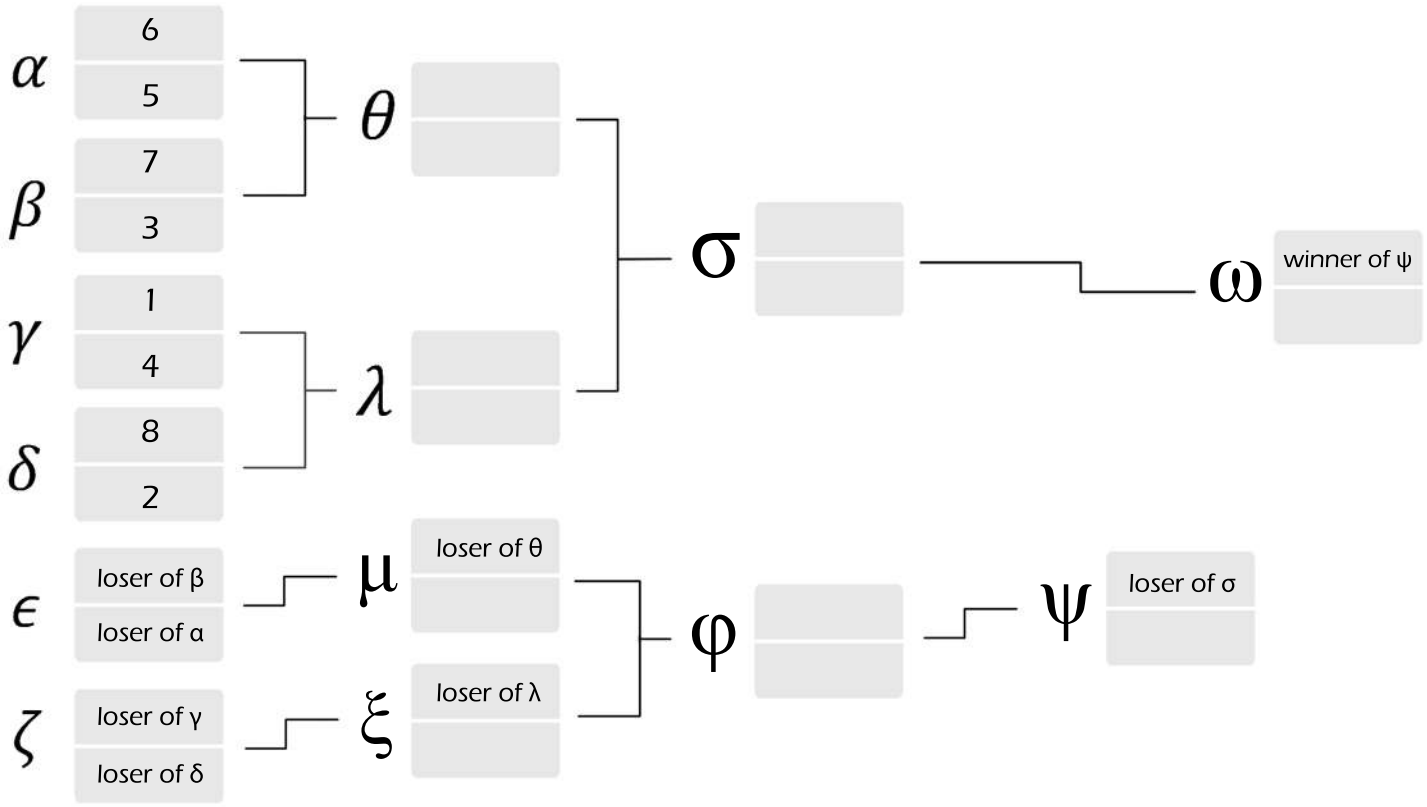
customer no. 8

# TOURNAMENT OF NUMBERS



*Customer:* You graduated from MIT right?
*You:* Uhhh, yes?
*Customer:* That means you can do numbers right?
*You:* Uhhh...




| MATCH | Statements (TRUE for the WINNER and FALSE for the LOSER) |
|---|---|
| alpha | x^2 + (number) x + 5 does not have integer roots |
| beta | Fights in theta |
| gamma | Neither prime nor composite |
| delta | Greater than the loser of epsilon |
| epsilon | Has the same parity (odd/even) as the winner of gamma |
| zeta | Is a fibonacci number |
| theta | i^(number) ≠ i |
| lambda | Shows up more times in pascal's triangle |
| mu | Wins the next match but not the tournament |
| xi | One more than the loser of sigma |
| sigma | Fights in omega |
| phi | Does not divide the total number of matches |
| psi | Has not faced 8 before |
| omega | Is a triangular number |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| α | P | E | J | D | A | L | Z | R |
| β | K | I | N | S | T | M | Y | H |
| γ | S | V | C | G | W | I | B | E |
| δ | T | R | S | M | Y | K | J | W |
| ε | P | F | U | A | V | G | E | L |
| ζ | H | R | K | E | O | W | I | G |
| θ | U | L | C | P | S | H | D | N |
| λ | A | J | Y | D | P | M | S | E |
| μ | O | I | C | A | V | D | T | Y |
| ξ | S | A | Y | K | M | N | E | U |
| σ | T | I | L | O | A | H | C | R |
| φ | J | B | K | U | I | Y | F | E |
| ψ | L | C | D | A | E | B | U | O |
| ω | Y | H | R | S | W | T | E | T |