

R-4.3 power(2, 16)

$$512 \cdot 512 = 262144$$

$$\downarrow \text{power}(2, 9) = 16 \cdot 16 \cdot 2 = 512$$

$$\downarrow \text{power}(2, 4) = 4 \cdot 4 = 16$$

$$\downarrow \text{power}(2, 2) = 2 \cdot 2 = 4$$

$$\downarrow \text{power}(2, 1) = 1 \cdot 1 = 2$$

$$\downarrow \text{power}(2, 0) = 1$$

$$\downarrow \text{power}(2, -1) = 1$$

R4.5 puzzle solve(3, (1, ε, a, b, c, d, 3))

ps(2, (a), ε, b, c, d, 3) ps(2, (b), ε, a, c, d, 3) ps(2, (c), ε, a, b, d, 3) ps(2, (d), a, b, c, 3)

ps(1, (ab), ε, c, d, 3)

ps(1, (ba), ε, c, d, 3)

ps(1, (ca), ε, b, d, 3)

ps(1, (ac), ε, b, d, 3)

ps(1, (bc), ε, a, d, 3)

ps(1, (cb), ε, a, d, 3)

ps(1, (ad), ε, b, c, 3)

ps(1, (bd), ε, a, c, 3)

ps(1, (cd), ε, a, b, 3)

ps(1, (da), ε, b, c, 3)

ps(1, (db), ε, a, c, 3)

ps(1, (dc), ε, a, b, 3)