

✕Crypt POINT

Loyalty & Rewards



Token Value
Stabilization

2022/04/27



Token Value Stabilization: Theoretical Price

We will increase the price of CRPC and the amount of CRPC in circulation, in conjunction with the market capitalization.

The ideal value of the token price V corresponding to the market capitalization J and the token distribution quantity N is determined by the following formula.

$$V = a (J-b) c \quad (J: \text{Market Cap}, V = \text{Token Price}, a, b, c: \text{Constants})$$

$$N = J/V \quad (N: \text{token flow})$$

Default (J, V) value $(J_0, V_0) = (1 \text{ million yen}, 1 \text{ yen})$

Assumed maximum value of (J, V) $(J_{\max}, V_{\max}) = (10 \text{ trillion yen}, 250,000 \text{ yen})$

The constant b is defined below J_0 so that dN/dJ is always positive.

The graph is shown on the right.

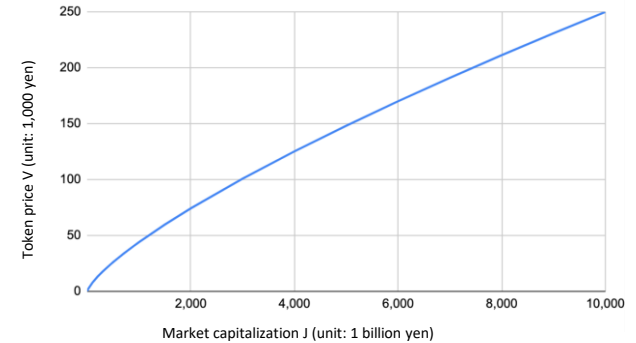
Constants in the right figure

$a : 0.0000389$

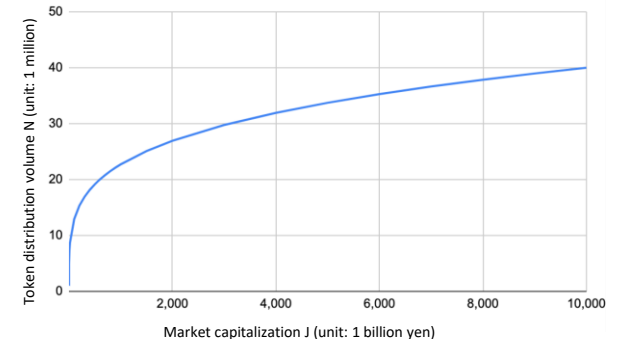
$b : 300,000$

$c : 0.75$

Relationship between market capitalization and token price



Relationship between market capitalization and token volume



Token Value Stabilization: The Solution

The purchase CRPC at any time at a theoretical price on the company's official website

->Arbitrage by market participants occurs

EX) When the CRPC theoretical price is \$1.00 and the stock is trading at \$0.99 on the exchange (theoretical price > valuation) → Since the stock can be officially sold at \$1.00, market participants will make profit by purchasing at \$0.99 → CRPC price will return to \$1.00

When CRPC theoretical price is \$1.00, when it is trading at \$1.01 on the exchange (theoretical price < valuation) → there is no problem especially when it is rising, but if the formula is sold in the market, the price returns to \$1.00 + gain can be obtained.

"Total CRPC in circulation = Starl deposit", so even if 100% of CRPC in circulation is sold at theoretical price, it can be absorbed.

- **Consideration of price stability models using decentralized algorithms in the future**