



Profit Calculator



1

Strictly fix the **Payout Period**.

Let it be, for example, 2 weeks (14 days):  
starting from Jun 11, 2018, 12:00 AM till Jun 24, 2018, 11:59:59 PM



Users are able to **lease** their tokens anytime during this 2 weeks period. However, the amount of payments depends on how long those tokens participated in the mining procedure. So, if User leases their cryptocurrency just for a week, then they will receive only a half of the calculated proportion of dividends.



However, if it happens before the end of the *Payout Period* (i.e. before Jun 24, 2018, 11:59:59 PM), then **all dividends will be lost**.

2

Calculate the total **Amount of Mined Waves** during the *Payout Period*.

3

Calculate the total **Amount of Mined MRT** (Miners Reward Token) during the *Payout Period*.



**Miners Reward Token (MRT)** is a bonus token that is distributed to miners with every block created. MRT is intended to be used as a means for new token issuers to reward nodes for processing their transactions, paying fees in their own token. As a Waves token, MRT can be transferred and traded freely on Waves' decentralised exchange (DEX).

4

The amount of **Total Profit** that each particular User gets depends on:

- their contribution to overall **Generating Balance**; and
- Participation Time** - how long their Waves tokens participated in the mining procedure.

5

**Participation Time** starts, once leased Waves move from the **Effective Balance** to the **Generating Balance** and start participating in mining.



Regular Balance	0.75
Generating Balance	20,291.18491285
Available Balance	0.75
Effective Balance	20,322.88491285



Participation Time is calculated in number of “whole days” only: each “day” starts at 12:00 AM (midnight) and ends 11:59:59 PM (midnight) of the same day.



**Example 1.** Let’s consider Jun 11- Jun 24 Payout Period. Let’s say User sends us 10,000 Waves tokens at 10 AM morning Wednesday Jun 13. Those tokens were credited to Effective Balance immediately; but they went to Generating Balance on Friday Jun 15 at 12:01 AM. This means that counting “whole days” starts from Jun 16; and by the end of the period, Jun 24, this User will have 9 “whole days”.



So, the Total Profit for a User is calculated according to the following formula:

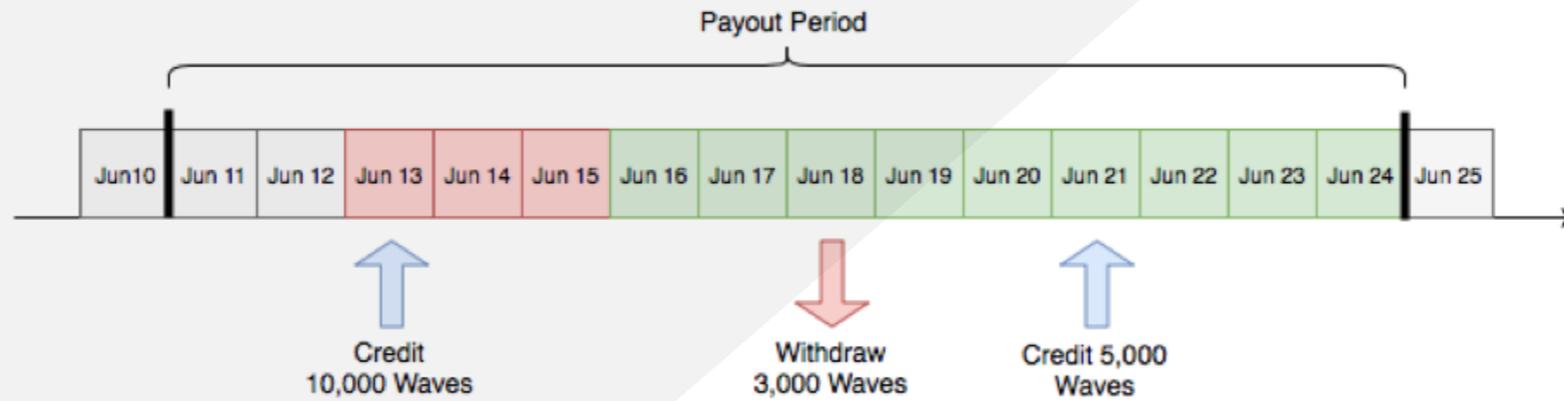
$$TotalProfit = ProfitInWaves + ProfitInMRT$$

$$ProfitInWaves = AmountofMinedWaves * \frac{LeasedAmount(Waves)}{GeneratingBalance(Waves)} * \frac{GeneratingBalance(Days)}{PayoutPeriod(Days)}$$

$$ProfitInMRT = AmountofMinedMRT * \frac{LeasedAmount(Waves)}{GeneratingBalance(Waves)} * \frac{GeneratingBalance(Days)}{PayoutPeriod(Days)}$$



**Example 2.** Let's extend the previous example a bit more. Let's consider that the same User on Monday Jun 18 at 3:00 PM returned 3,000 of his leased Waves back from the leasing. However, he sent 5,000 Waves tokens for a lease on Wednesday Jun 21; and the next day at 8:00 PM they were moved from the Effective Balance to the Generating Balance.



And then till the end of the Payout Period he does nothing. This means that:

- 7,000 Waves have contributed in mining for 9 “whole days”; and
- 5,000 Waves have contributed in mining for 2 “whole days”: Jun 23 – Jun 24.

Generating Balance (on Jun 24) = 2,000,000 Waves  
 Amount of Mined Waves for this Payout Period = 330 Waves  
 Amount of Mined MRTs for this Payout Period = 720 MRT

$$ProfitInWaves = 330Waves * \frac{7000Waves}{2000000Waves} * \frac{9Days}{14Days} + 330Waves * \frac{5000Waves}{2000000Waves} * \frac{2Days}{14Days} = 0.7425Waves + 0.117857Waves = 0.86036Waves$$

$$ProfitInMRT = 720MRT * \frac{7000Waves}{2000000Waves} * \frac{9Days}{14Days} + 720MRT * \frac{5000Waves}{2000000Waves} * \frac{2Days}{14Days} = 1.62MRT + 0.257143MRT = 1.877143MRT$$

So, at the end of the Payout Period the User gets **0.86036 Waves** and **1.877143 MRT**.

Total amount of mined **Waves** and **MRT** shown here:  
<https://www.tradisys.com/leasing>