

# RULES

## 1. It's all about money

At the beginning you will start with 2000\$. To win a game you have to make 50000\$. The game is over when you don't have any money left.

## 2. Horses & Jockeys

There are 10 horses and 10 jockeys in the game. Each of them has different parameters. The parameters of the horse are:

- name
- start speed - the value of horse's speed at the beginning of the race
- finish distance - the spot where the speed of the horse changes from "start speed" to "finish speed"
- finish speed - the value of horse's speed after it reaches "finish distance"

**Take a note:** both start and finish speed are between 0.4 and 0.7 so be aware that difference in the rate of 0.1 is quite significant. Also the distance of the whole race is 600m so pay attention to "finish distance" - a place when the horse's speed changes.

The parameters of the jockey are:

- name
- experience - this variable has a value from 0.7 to 1

## 3. Hints

There is a way to know the parameters of each horse or jockey. You can purchase hints about them. Every hint cost 250\$. To buy a hint check a checkbox near the horse's or jockey's name and press "BUY HINT" button. Once you buy one, you have access to it during the whole game. All you have to do is press the button "YOUR HINTS".

**Take a note:** There are no limits of hints that can be bought in one round. It's your decision whether you buy one, couple or none. Also be careful not to buy a hint about specific horse or jockey for the second time. If you're not sure whether you have already bought it or not just check it in "YOUR HINTS" before buying it.

## 4. Race

The current speed of each horse is calculated by the following formula:

$$\text{speed} = (\text{start speed or finish speed}) * \text{experience} * \text{disposition}$$

At the beginning of the race "start speed" is taken into account. After the horse reaches "finish distance" "start speed" is replaced with "finish speed"

**Take a note:** have you seen something new in the formula? That's right except the parameters of horse and jockey there is also something called "disposition". It's an **essential variable** that can

change the fate of the race which value you don't know. All you know is it has value between 0.85 and 1.15.

## 5. Making a bet

Above list of horses names there is something called "win ratio". It tells you how much money you can win if the horse selected by you will win the race. For example the win ratio is 1:2 and you bet 100\$. If your horse will win the race you will get 200\$. To make a bet select one horse and use the slider to choose your bet value. You can also just type the bet value in the text box near the slider. Then click the "BET" button and watch the race.

**Take a note:** be aware that the lower the win ratio, the better the horse's and it's jockey's parameters. In other words the horse with win ratio 1:2 has better chances to win a race than the horse with win ratio 1:3 but you will win less money. However **always remember about the disposition!** Sometimes it is really a crucial factor because the favorite can loose with the worse horse despite having better parameters.

## 6. Rounds

Each round is one race. After the race is finished click "NEXT ROUND" button to bet the next race.