

## PROJECT LIBRA

# Attributes setting #1

Libra Force

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## 1 IN GENERAL

These ideas are considered as reference only.

## 2 STRENGTH

Attribute calculation:

$$100[\frac{\ln(\max(h, 1))}{\ln(h_0)} - 0.2\max(h - h_0, 0)]w_0^{w-w_0}\frac{w_0!}{w!}[0.6 + 0.4/3(x_1 + x_2 + x_3)] \quad (2.1)$$

Here,  $h$  and  $w$  are user's height and weight while  $h_0$  and  $w_0$  are user's default/standard/perfect weight.

- $x_1 = 0.5$  if user prefer to go out than stay at home; otherwise  $x_1 = 0$ ;
- $x_2 = 0.5$  if user enjoy any kind of sports activity; otherwise  $x_2 = 0$ ;
- $x_3 = 2$  if user work out frequently; otherwise  $x_3 = 0$ ;

**For Male:**  $h_0 = 1.84(m)$ ,  $w_0 = 24.5h_0^2(kg)$

**For Female:**  $h_0 = 1.64(m)$ ,  $w_0 = 18.5h_0^2(kg)$

## 3 INTELLIGENCE

To be decided:

School Rank; GPA; Age; Enjoy reading/talking with others/arguing?; Ever realized that you are more/less smart than others? If so, at what age?

## 4 LUCK

Attribute calculation:

$$10\sqrt{93 + 7y_1 - |y_2 - rand([0, 10])|^2} \quad (4.1)$$

- $y_1 = 1$  if user thinks he/she is luck;
- $y_2$ : pick your lucky number from 0 to 10;

## 5 CHARM

To be decided...I don't know hobbies, or exceptional items.

## 6 PERSONALITY

Check? <https://www.16personalities.com/>

## 7 OTHERS

Use color to denote age, from light to dark (young to old); Ask for favorite color (RGB value?)

## 8 HIDDEN ATTRIBUTES

Appearance; Age, based on date of birth; Culture preference: China, Japan, Korea, Europe, United States, Others... Entertainment preference: Zong Yi jie mu, Movies, Episodes, Talk show, music, games... Political preference; Current region;

## 9 PREFERENCE CALCULATION

Similarity or dissimilarity? Ask users for answers. Astrology/constellation; Zipcode to calculate distance;