ALGORITHMIC CHILD INSTITUTION DISTIBUTION

SYSTEM (DEMO)

CONTENTS:

- 1 RUNNING THE CODE
- 2 DETAILS
- 3 INTERACTING WITH THE OBJECTS

RUNNING THE CODE

To start the maching-system go to: http://wildboy.uib.no/~kud005/ACID/ and press the «calculate» button in the middle of the screen. While the light behind the button is yellow the system is running.

This results in a page containing two elements. Metrics for the matching and an overview of the matchings arranged by kindergartens and spots.

Results: 58.4% 1st priority. 10.0% 2nd priority. 3.6% 3rd priority. 11.2% >3rd priority. 16.8% waiting list.

This element shows some metrics related to the matching. It describes how many percentage of the children get their first, second, third and above third priority. In addition to how many goes into the waiting list.



This element shows how the children are distributed into the different kindergartens. This shows what child got what spot. All spots are clickable to show more information.

To start the maching-system go to: http://wildboy.uib.no/~kud005/ACID/ and press the «calculate» button in the middle of the screen. While the light behind the button is yellow the system is running.

This results in a page containing two elements. Metrics for the matching and an

Age: 2 District: Fyllingsdalen

- Priority (score): 1. Marken barnehage (2)

 - 2. Bogane barnehage (3) 3. Aurdalslia barnehage (2)
 - 4. Brinken barnehage (5) 5. Apeltun barnehage (2)

 - 6. Lyngfaret barnehage (2) 7. Skjold barnehage (3) 8. Sletten barnehage (2)

 - 9. Salhus barnehage (2)

Basic information about the child.

The child's preferences of kindergartens. The number in the parentheses are the score given by the kindergarten.

▼ Log for kid_143:

Temporary spot: 0103spot_12.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other) Temporary spot: 0103spot_13.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other) Temporary spot: 0103spot_14.

Spot lost. Priority by kindergarten: 171(this) vs. 161(other)

Temporary spot: 0103spot_15. Spot lost. Priority by kindergarten: 171(this) vs. 143(other) Temporary spot: 0103spot_17.

Spot lost. Priority by kindergarten: 171(this) vs. 161(other)

Temporary spot: 0103spot_18.

Spot lost. Priority by kindergarten: 171(this) vs. 153(other) Temporary spot: 0103spot_20.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other) Temporary spot: 0103spot_21.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other) Temporary spot: 0103spot_22.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other)

Temporary spot: 0103spot_23.
Spot lost. Priority by kindergarten: 171(this) vs. 166(other)
Temporary spot: 0103spot_24.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other)

Temporary spot: 0103spot_26.

Spot lost. Priority by kindergarten: 171(this) vs. 166(other) Temporary spot: 0103spot_27.

Spot lost. Priority by kindergarten: 171(this) vs. 161(other) Temporary spot: 0103spot_29.

Here is will be described if the child has any special considerations that are taken into account in the scoring system.

The log of how the child was handled by the algorithm. Every line describes an action by the algorithm.



INTERACTING WITH THE OBJECTS

It is possible to interact with the object in the console of the web-browser. The list of kindergartens and children are global objects, and accessable by typing (in the console):

kindergartens (for kindergartens)

matched (for all the children)

EXAMPLE

Typing: kindergartens[4] gives the fifth kindergarten in the list:

Here it is possible to inspect the kindergarten object. There is a lot of different information in the object. The most importaint is priority and results. This gives information of who the kindergarten has prioritized for their spots, and the finished matching with the child object that has matched for the spot.

Typing: matched[100] gives the 101 child in the list:

Here it is possible to inspect the child object. There is a lot of different information in the object. The most importaint is priority and score. This gives information of the priorities the child has for kindergartens, and the different scores that the kindergartens have given the child.

