

## Contents

the software sketching observation group yuppies [ssogy] observing the sketching process of software [otspos] We are ssogy, our research project is called otspos, this is your pad: <http://etherbox.local:9001/p/ssogy.md> flowchart rulers: \* IBM ruler: <http://etherbox.local/home/pi/images/wednesday/P1040728.JPG> left to right process - rectangle input / output - skew square document - rectangle, but bottom line is a wave manual operation - communication link - preparation - merge - down-pointing triangle decision - rhombus connector - small circle magnetic tape - circle display - auxiliary operation - square arrow head - four triangle manual input - Punched Card - rectangle with left cut edge Punched tape - like a flag

### \* Burroughs:

<http://etherbox.local/home/pi/images/wednesday/P1040730.JPG>

Left to right, top to bottom:

- \* input/output = parallelogram
- \* Auxiliary operation = square / Gyration square
- \* Preparation - hexagon
- \* Drum or disk - oval
- \* Process - rectangle
- \* Off-line storage - triangle
- \* On-line storage - like a quarter moon
- \* Display - one side oval and one side a little oval
- \* Manual input - rectangle, but top side askew / Irregular rectangle
- \* Document - rectangle, but bottom line is a wave
- \* Manual Operation - tilted rectangle
- \* Magnetic Tape - circle but with a square on the bottom right
- \* Connector - circle
- \* Communication Link - a z shaped thingy
- \* Decision - rhombus
- \* ... unknown x 2
- \* Punched Card
- \* Terminal
- \* Punched Tape
- \* Flow Direction
- \* Card Deck

sources: [https://en.wikipedia.org/wiki/Software\\_design](https://en.wikipedia.org/wiki/Software_design) <https://en.wikipedia.org/wiki/Flowchart>

[https://en.wikipedia.org/wiki/Software\\_design\\_description](https://en.wikipedia.org/wiki/Software_design_description) [https://www.w3schools.com/charsets/ref\\_utf\\_geon](https://www.w3schools.com/charsets/ref_utf_geon)

[http://www.iausdj.ac.ir/ostad/DocLib71/J.C.Cirlot\\_Dictionary\\_of\\_Symbols\\_\\_1990.pdf](http://www.iausdj.ac.ir/ostad/DocLib71/J.C.Cirlot_Dictionary_of_Symbols__1990.pdf)

The Grammar of Shapes :

<http://vanseodesign.com/web-design/visual-grammar-shapes/>

15:30 - 16:15 We started our undertaking by analysing the rulers by IBM and Burroughs. It seems that every symbol on the ruler has a specific shape. There are similarities between the shapes on the two rulers. On the Burroughs we found some symbols without description. We try to figure out their meaning. In total we counted on the IBM and on the Burroughs. The specific literature explained us that engineer have a kind of standard for these symbols. These symbols are vocabulary

16:15 - 16:40 We started with analysing a flow chart as our educational example (<https://en.wikipedia.org/wiki/Flowchart#/media/File:LampFlowchart.svg>). We could figure out what the arrows on the ruler means, they are used in compination with the decision symbol. In shape studies Triangles can direct movement based which way they point. Triangles can direct movement based which way they point. In the flowchart

Flowchart humour: [http://etherbox.local/home/pi/video/A\\_Computer\\_Glossary.webm#t=02:26](http://etherbox.local/home/pi/video/A_Computer_Glossary.webm#t=02:26)