

# Rapport du projet d'ASR 1

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## 1 Partie 1 : Processeur avec pipeline

### 1.1 Étage IF

Question 1 :

Question 2 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/628117f505d9bed9d1d7132adda3f4aa45548440/ProcoDeal.circ> ou ici pour le fichier brut.

Pourrais-tu me mettre un exemple de définition, histoire que je puisse m'y inspirer...

### 1.2 Étage ID

Question 1 :

Question 2 :

Question 3 :

Question 4 :

Question 5 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/628117f505d9bed9d1d7132adda3f4aa45548440/ProcoDeal.circ> ou ici pour le fichier brut.

### 1.3 Étage EX

Question 1 :

Question 2 :

Question 3 :

Question 4 :

Question 5 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/628117f505d9bed9d1d7132adda3f4aa45548440/ProcoDeal.circ> ou ici pour le fichier brut.

## 1.4 Étage MEM

Question 1 :

Question 2 :

Question 3 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/628117f505d9bed9d1d7132adda3f4aa45548440/ProcoDeal.circ> ou ici pour le fichier brut.

## 1.5 Étage WB

Question 1 :

Question 2 :

Question 3 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/628117f505d9bed9d1d7132adda3f4aa45548440/ProcoDeal.circ> ou ici pour le fichier brut.

## 1.6 Pipeline

Question 1 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/628117f505d9bed9d1d7132adda3f4aa45548440/ProcoDeal.circ> ou ici pour le fichier brut.

## 1.7 Assembleur RiSC-16

Question 1 :

Question 2 :

# 2 Partie 2 : Pipeline avec logique bypass

## 2.1 Étage WB

Question 1 :

Question 2 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/3016e78db55d66684f28d8adf5c98ce117739173/ProcoDeal.circ> ou ici pour le fichier brut.

## 2.2 Étage MEM

Question 1 :

Question 2 : Voir version correspondante : <https://github.com/Plopounet13/ProcoDeal/blob/3016e78db55d66684f28d8adf5c98ce117739173/ProcoDeal.circ> ou ici pour le fichier brut.

Item	Quantity
Widgets	42
Gadgets	13

Table 1: An example table.

## 2.3 Étage EX

## 2.4 Pipeline

## 2.5 Assembleur RiSC-16

# 3 Partie 3 : Mapping memory

## 3.1 Étage MEM

## 3.2 Memory mapping

## 3.3 Pipeline

## 3.4 Assembleur RiSC-16

# 4 Introduction

Si tu es un peu rouillé en Latex, il y a quelques exemples après...

# 5 Some L<sup>A</sup>T<sub>E</sub>X Examples

## 5.1 How to Leave Comments

Comments can be added to the margins of the document using the `todo` command, as shown in the example on the right. You can also add inline comments:

This is an inline comment.

Here's a  
comment  
in the  
margin!

## 5.2 How to Include Figures

First you have to upload the image file (JPEG, PNG or PDF) from your computer to writeLaTeX using the upload link the project menu. Then use the `includegraphics` command to include it in your document. Use the `figure` environment and the `caption` command to add a number and a caption to your figure. See the code for Figure ?? in this section for an example.

## 5.3 How to Make Tables

Use the `table` and `tabular` commands for basic tables — see Table ??, for example.

## 5.4 How to Write Mathematics

L<sup>A</sup>T<sub>E</sub>X is great at typesetting mathematics. Let  $X_1, X_2, \dots, X_n$  be a sequence of independent and identically distributed random variables with  $E[X_i] = \mu$  and  $\text{Var}[X_i] = \sigma^2 < \infty$ , and let

$$S_n = \frac{X_1 + X_2 + \dots + X_n}{n} = \frac{1}{n} \sum_i^n X_i$$

denote their mean. Then as  $n$  approaches infinity, the random variables  $\sqrt{n}(S_n - \mu)$  converge in distribution to a normal  $\mathcal{N}(0, \sigma^2)$ .

## 5.5 How to Make Sections and Subsections

Use section and subsection commands to organize your document. L<sup>A</sup>T<sub>E</sub>X handles all the formatting and numbering automatically. Use `ref` and `label` commands for cross-references.

## 5.6 How to Make Lists

You can make lists with automatic numbering ...

1. Like this,
2. and like this.

...or bullet points ...

- Like this,
- and like this.

...or with words and descriptions ...

**Word** Definition

**Concept** Explanation

**Idea** Text

We hope you find writeL<sup>A</sup>T<sub>E</sub>X useful, and please let us know if you have any feedback using the help menu above.