Name of cource and title

Name

December 30, 2024

1 Some snippets

1.1 Figures

Single figure:

Figure 1: Caption

Subfigures:

(a) SubcaptionA (b) SubcaptioB

Figure 2: Caption

1.2 Tables

You can use this link for tables: `https://www.tablesgenerator.com/`

Table:

Left	Center	Right
1	2	3
4	5	6
7	8	9

Table 1: Caption

Long table:

TitleVeryVeryLong1	**Title2**	**TitleVeryVeryLong3**	**Title4**	**TitleVeryVeryLong5**	**Title6**
1	2	3	4	5	6
1	2	3	4	5	6

Table 2: Caption

1.3 Pseudocode

Example of simple algorithm:

Algorithm 1 AlgorithmDescription

Input: Define the input

Output: Define the output

```
1: Do an operation
2: Do another operation
3: Wait some miliseconds
4: if Condition then
5:     Do corresponding action
6: end if
7: Do something else
8: return −1
```

Example of algorithm with functions predefined:

Algorithm 2 AlgorithmDescription

Input: Graf $G = (V, E)$ no dirigit i connex, Vector d'enters *NND*

Output: *-1* si NND és un conjunt dominador, $i \in [0, N)$ altrament

```
1: for each i ∈ [0, N) do
2:     Do something
3: end for
4: Explain somehting like "Generakte k+1 neighbors"
5: if NND[i] < ⌈G.get_nb_veins(i) / 2⌉ then
6:     return i
7: end if
8: while D is not a PIDS do
9:     v* ← argmax_{∀v∉S}{funcioGreedy(v)}
10:    D ← D ∪ {v*}
11:    updateData(v)
12: end while
13: return −1
```

1.4 Code fragments

```python
## Insert here the code as it
## Change the language from the headder to adapt the colors

def __main__():
    print("Hello World!")
```

Code 1: CaptionPythonCode

2 Essay

Here's an inline comment below the title & author.

Abstract

Your abstract.

Here is some introductory text.

You can use *italic in a comment*, like this.

You can use **bold in a comment**, like this.

References