
PROJECT PROGRESS REPORT

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0.1 PROJECT ROADMAP

1. *The main task of the project*
2. the first step of the project
3. the second step of the project
4. the third step of the project
5. and then
6. My paper got published!

0.2 PROJECT UPDATES

1. *Update when anything related to the roadmap is addressed*
2. Dec,2018. Completed the step2
3. Nov,2018. Completed the step1
4. Oct,2018. Start the project

0.3 RESULTS

Main Results related to the purpose of the research or things to discuss

0.4 THINGS I NEED HELP WITH AND MY PLAN TO RESOLVE

1. I need feedback on my project
2. I'm not sure how to start writing a paper.
3. I have an idea but Iâ€™m stuck
4. Can I park at Rellis?

0.5 PROCESS DIARY

```

1 import numpy as np
2
3 def incmatrix(genl1, genl2):
4     m = len(genl1)
5     n = len(genl2)
6     M = None #to become the incidence matrix
7     VT = np.zeros((n*m,1), int) #dummy variable
8
9     #compute the bitwise xor matrix
10    M1 = bitxormatrix(genl1)
11    M2 = np.triu(bitxormatrix(genl2),1)
12
13    for i in range(m-1):
14        for j in range(i+1, m):
15            [r, c] = np.where(M2 == M1[i, j])
16            for k in range(len(r)):
17                VT[(i)*n + r[k]] = 1;
18                VT[(i)*n + c[k]] = 1;
19                VT[(j)*n + r[k]] = 1;
20                VT[(j)*n + c[k]] = 1;
21
22            if M is None:
23                M = np.copy(VT)
24            else:
25                M = np.concatenate((M, VT), 1)
26
27            VT = np.zeros((n*m,1), int)
28
29    return M

```

Listing 1: Python example

REFERENCES