

Pset 2

Darwin Do

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- (a) Darwin Do
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- (c) Collaborators:
- (d) I have followed the academic integrity and collaboration policy
- (e) Hours:

1 Stable Matching

1.1 Hard example for stable matching

Stage #	Men's Proposals	Women Rejections & String
1	A: 1 B: 2 C: 3 D: 1	1: String: D Rejected List: A 2: String: B Rejected List: 3: String: C Rejected List: 4: String: Rejected List:
2	A: 2 B: 2 C: 3 D: 1	1: String: D Rejected List: A 2: String: A Rejected List: B 3: String: C Rejected List: 4: String: Rejected List:
3	A: 2 B: 3 C: 3 D: 1	1: String: D Rejected List: A 2: String: A Rejected List: B 3: String: B Rejected List: C 4: String: Rejected List:

4	A: 2 B: 3 C: 1 D: 1	1: String: C Rejected List: A, D 2: String: A Rejected List: B 3: String: B Rejected List: C 4: String: Rejected List:
5	A: 2 B: 3 C: 1 D: 2	1: String: C Rejected List: A, D 2: String: D Rejected List: B, A 3: String: B Rejected List: C 4: String: Rejected List:
6	A: 3 B: 3 C: 1 D: 2	1: String: C Rejected List: A, D 2: String: D Rejected List: B, A 3: String: A Rejected List: C, B 4: String: Rejected List:

7	A: 3 B: 1 C: 1 D: 2	1: String: B Rejected List: A, D, C 2: String: D Rejected List: B, A 3: String: A Rejected List: C, B 4: String: Rejected List:
8	A: 3 B: 1 C: 2 D: 2	1: String: B Rejected List: A, D, C 2: String: C Rejected List: B, A, D 3: String: A Rejected List: C, B 4: String: Rejected List:
9	A: 3 B: 1 C: 2 D: 3	1: String: B Rejected List: A, D, C 2: String: C Rejected List: B, A, D 3: String: D Rejected List: C, B, A 4: String: Rejected List:

10	A: 4 B: 1 C: 2 D: 3	1: String: B Rejected List: A, D, C 2: String: C Rejected List: B, A, D 3: String: D Rejected List: C, B, A 4: String: A Rejected List:
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1.2 A tight bound on the number of proposals