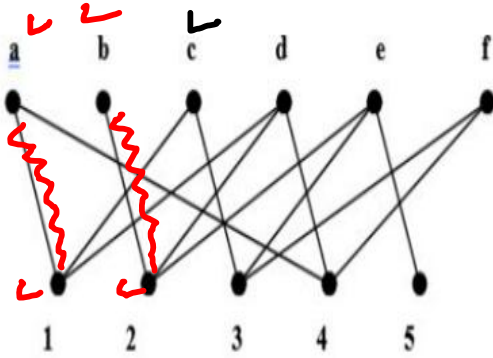


Soru 1:

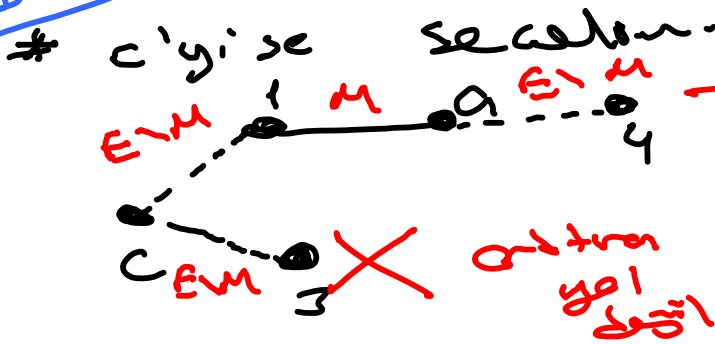
Aşağıdaki grafin en büyük eşlemesini, Macar algoritmasını kullanarak bulunuz.
(Not: Başlangıç eşlemeniz iki elemanlı olsun)



$$M = \{a1, b2\}$$

abkm.

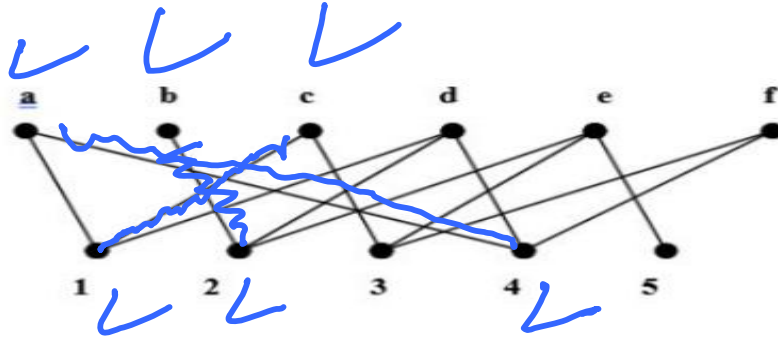
1. adım



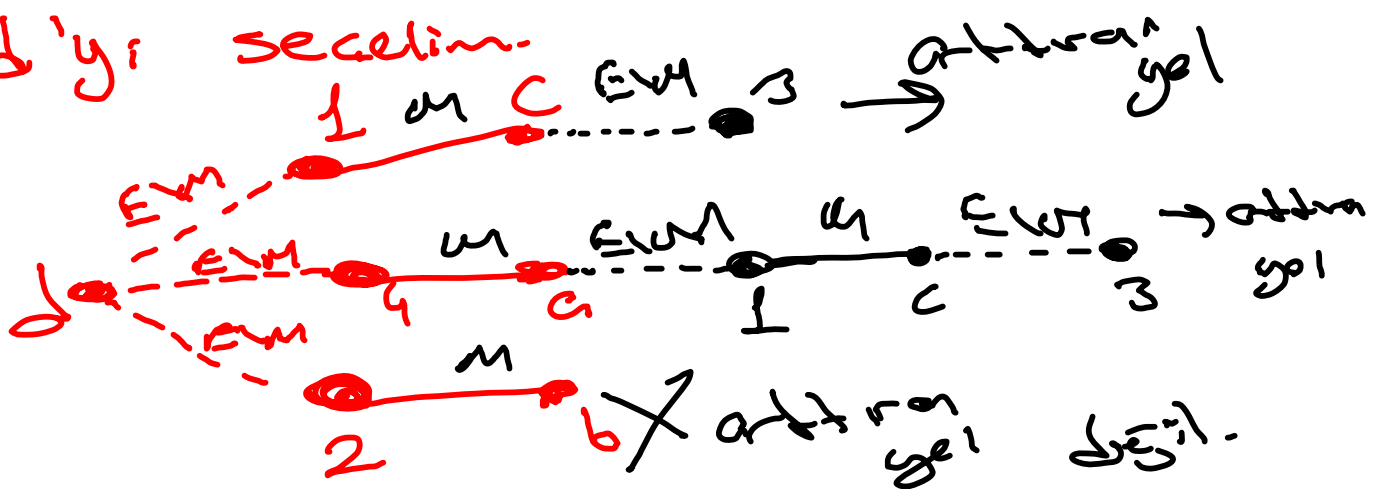
artıkten yol
(augmented-path)

$$M = \{c1, a4, b2\}$$

2. adım

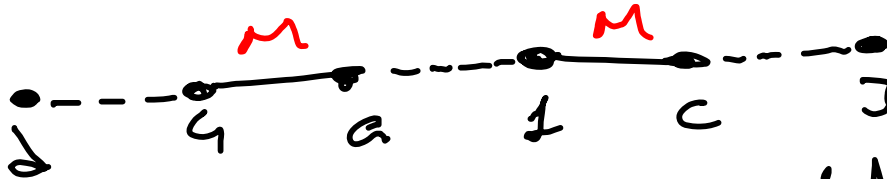


d'yi secelim.



$$M = \{ \cancel{a_1}, a_4, b_2 \}$$

$$M_1 = \{ a_4, b_2, d_1, c_3 \}$$



$$M_1 = \{ \cancel{a_1}, \cancel{a_4}, b_2 \}$$

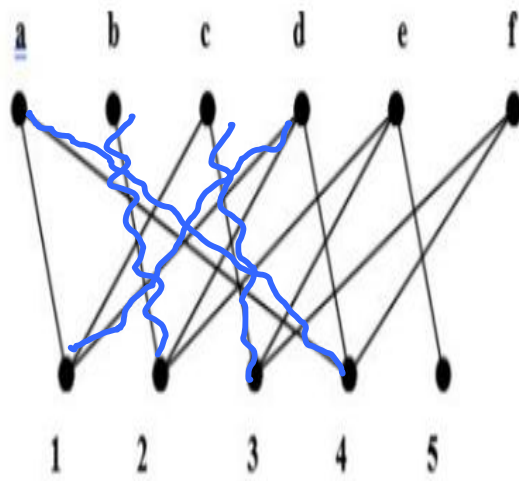
$$M_2 = \{ b_2, d_1, a_1, c_3 \}$$

3. odun

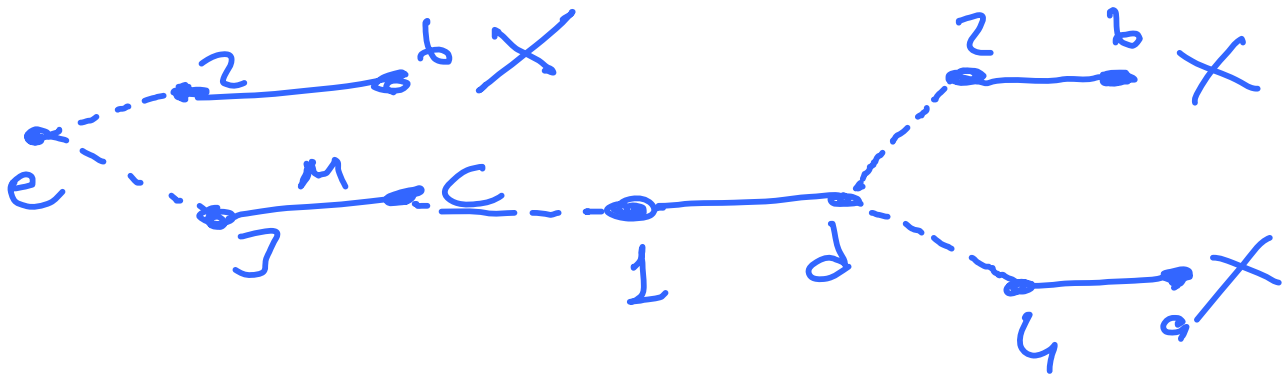
M_1 'i obelim.

$$M_1 = \{ a_4, b_2, d_1, c_3 \}$$

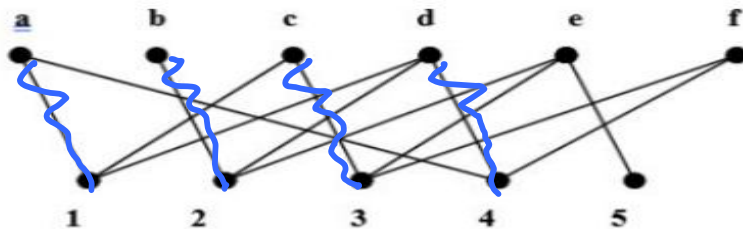
en bazi
eyleme

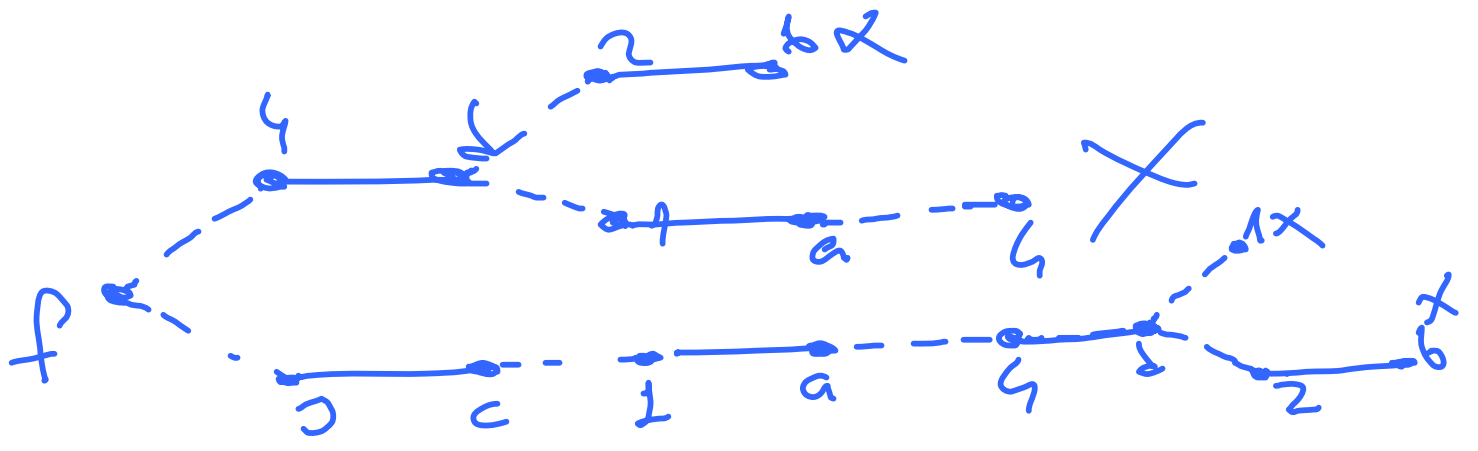
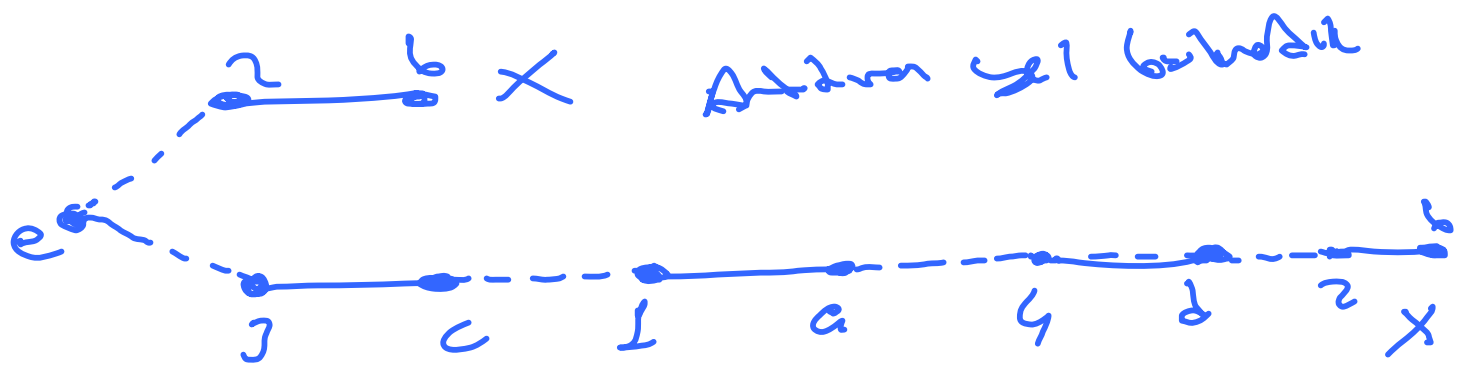


Artıran yet
yok!!



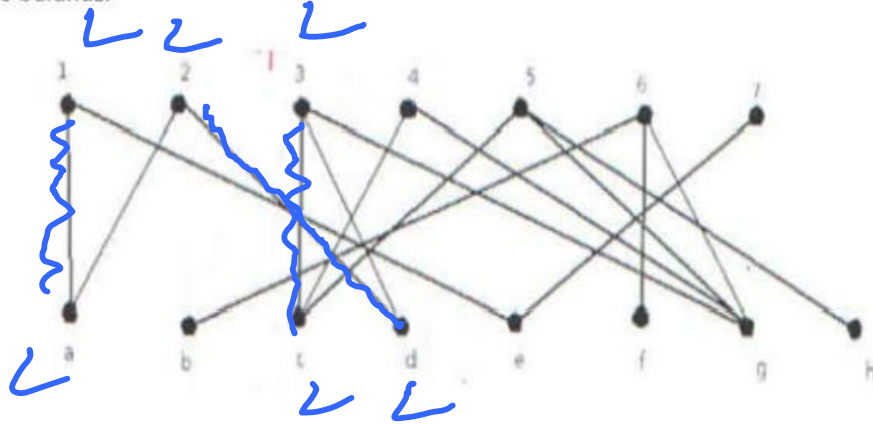
$\mathcal{M}_2 = \{b_2, d_4, a_1, c_3\}$ den başka
eşme.



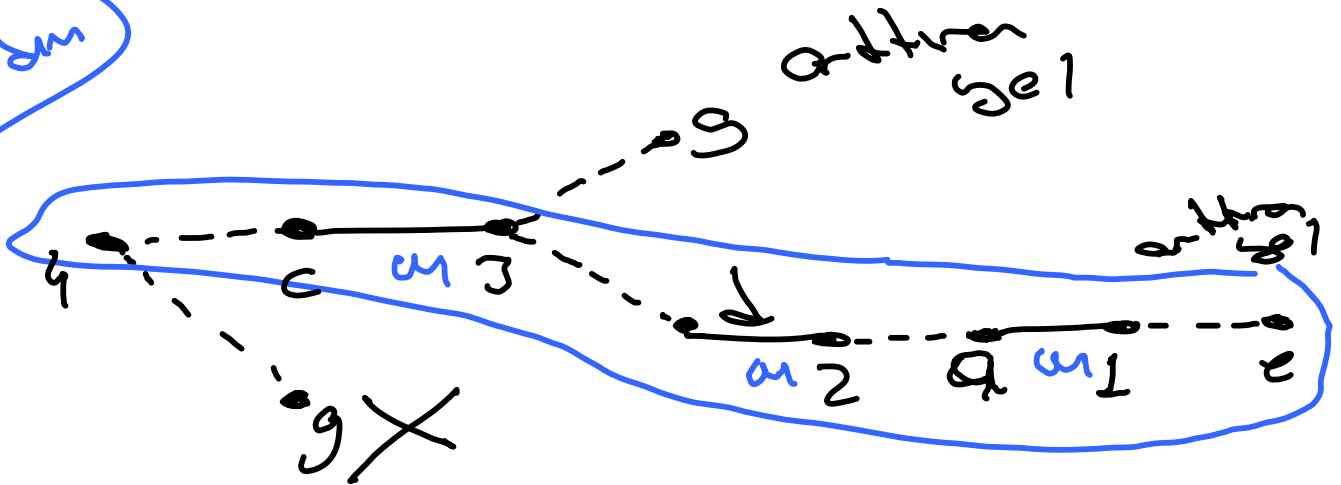


Soru 2

Başlangıç eşlemeniz $M = \{1a, 2d, 3c\}$ olacak şekilde Macar algoritmasını kullanarak aşağıdaki graf için en büyük eşleme bulunuz.



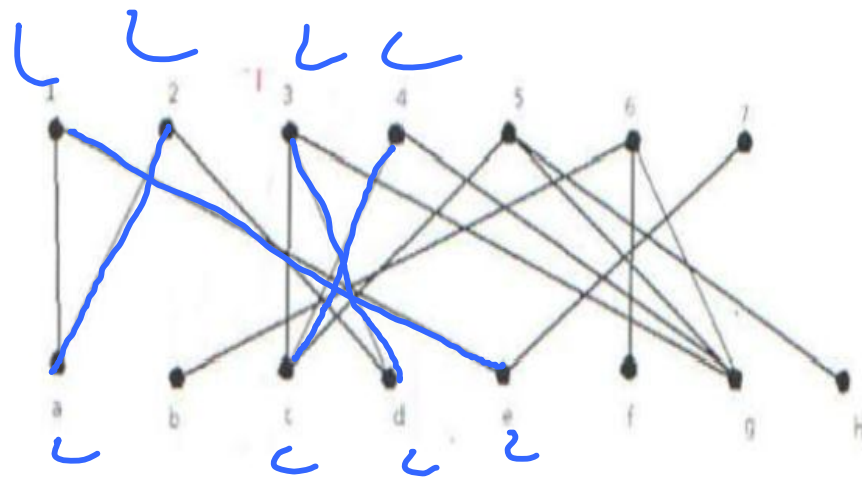
1. adım



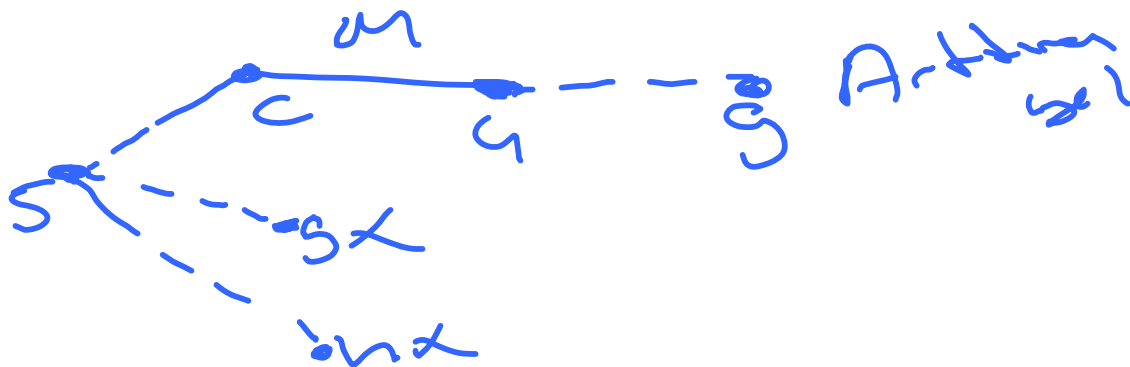
$$M = \{ \cancel{1a}, \cancel{2d}, \cancel{3c} \}$$

$$M = \{ 4c, 3d, 2a, 1e \}$$

2.5 km

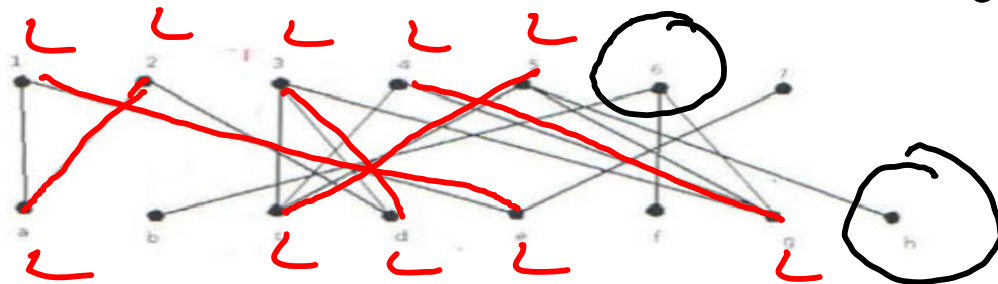


5.1: abh.



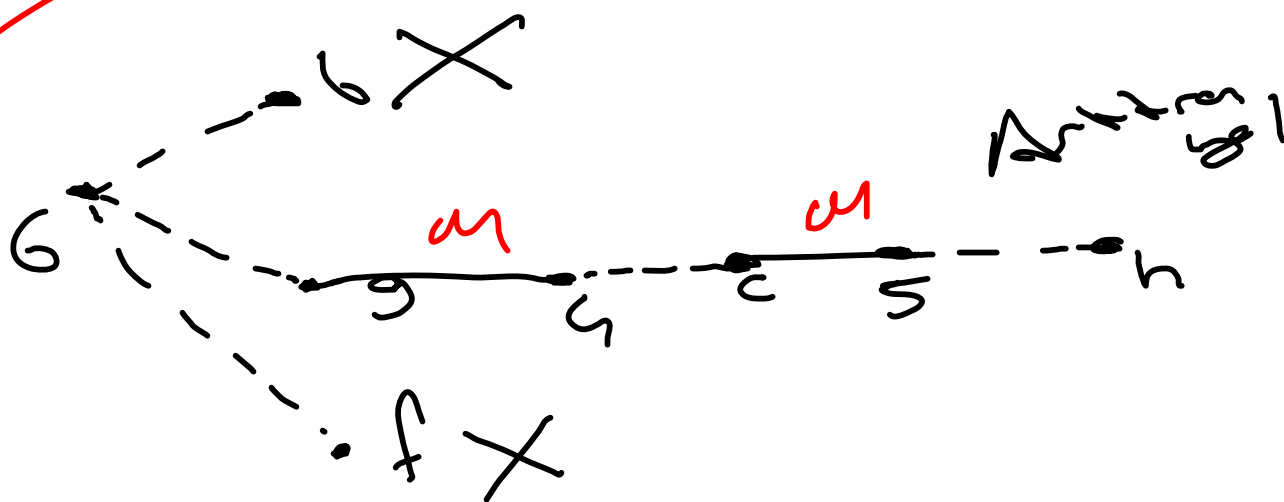
$$u = \{ \cancel{4a}, 3a, 2a, 1e \}$$

$$u = \{ 5c, 4g, 3a, 2a, 1e \}$$



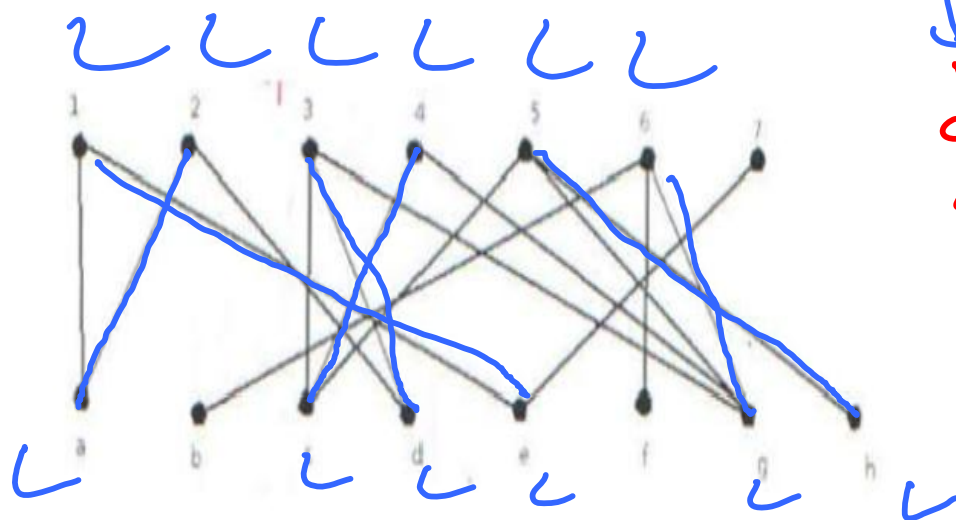
3. color

6's section.

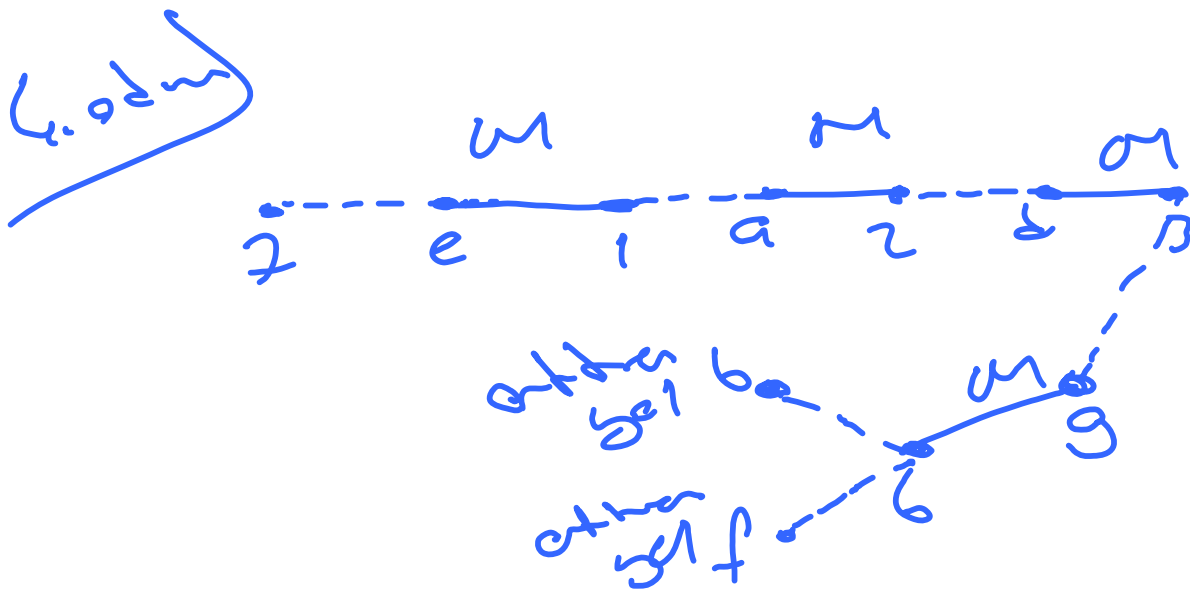


$$u = \{ \cancel{sc}, \cancel{4g}, 3d, 2a, 1e \}$$

$$u = \{ 6g, 4c, 5h, 3d, 2a, 1e \}$$



demon
editors
:



$$u = \{ \cancel{6b}, 4c, 5h, \cancel{3d}, \cancel{2a}, \cancel{1e} \}$$

$$u_1 = \{ 4c, 5h, 7e, 1a, 2d, 3g, 6b \}$$

$$u_2 = \{ 4c, 5h, 7e, 1a, 2d, 3g, 6f \}$$

7 elements

15 force $\rightarrow 7 \times 2 = 14$ force \rightarrow 1 more force

M_1 ve M_2 er bütük eğerde-
mükemmel eğerde deşildir.