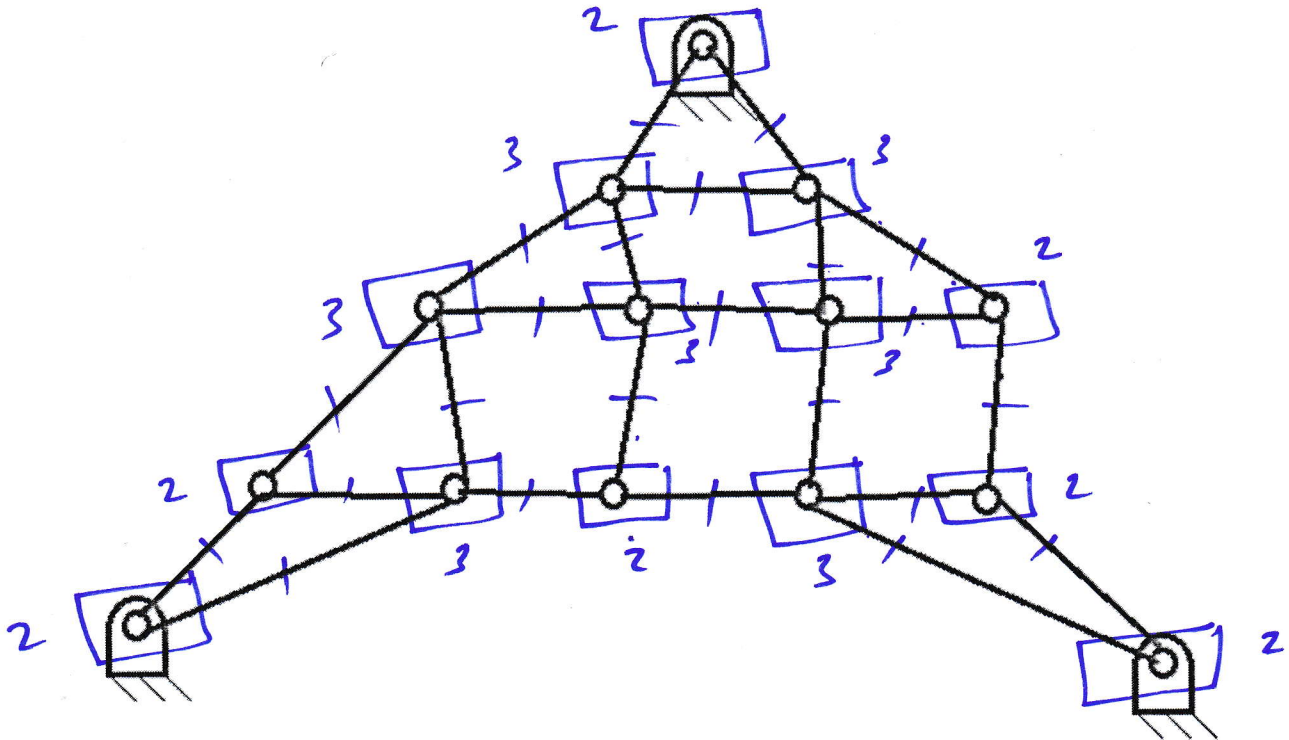Student Name: Student ID number:

Problem: Determine the mobility for the following mechanism

$$N = 24 \qquad P_1 = 35 \qquad P_2 = 0$$

$$M = 3(N-1) - 2P_1 - P_2$$

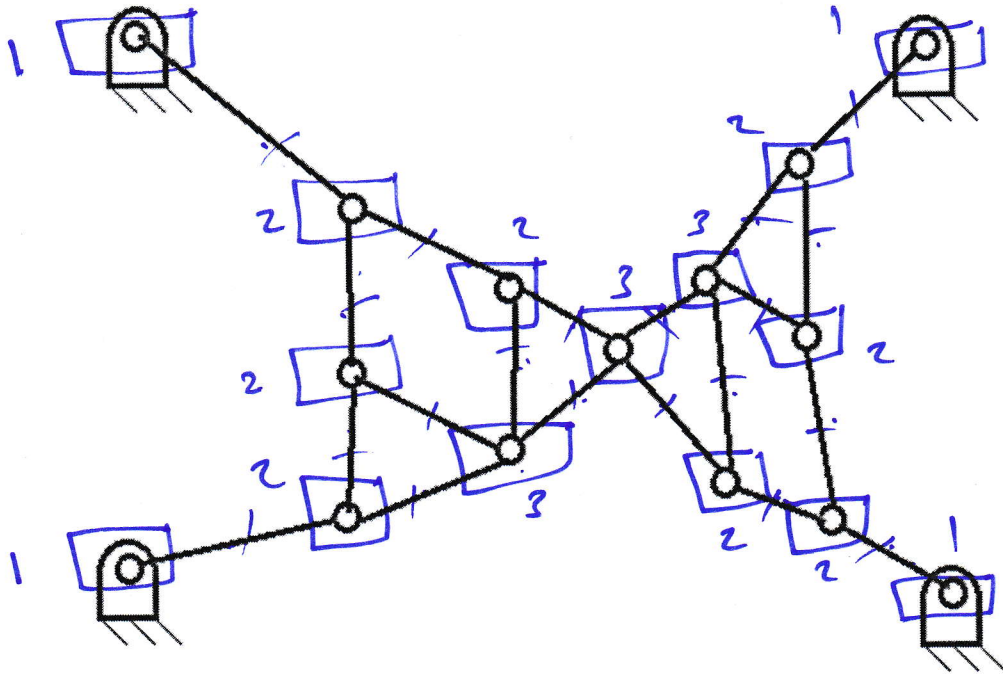$$= 3(24-1) - 2(35) = 8 \ -1$$

$$P_1 = (1 \times 0) + (2 \times 7) + (3 \times 7) = 35$$

Student Name: *typical Solution*   Student ID number:

Problem: Determine the mobility for the following mechanism

$N = 21$ $P_1 = 29$ $P_2 = 0$

$$M = 3(N-1) - 2P_1 - P_2$$

$$= 3(21-1) - (2)(29) - 0 = 2$$

$$P_1 = (1 \times 4) + (2 \times 8) + (3 \times 3) = 29$$