Suppose we have a weighted voting system with quota 5 and weights

| Voter | a | b | c | d |
| :---: | :---: | :---: | :---: | :---: |
| Weight | 4 | 2 | 3 | 1 |

1. Give the weights and quota of a new system with identical outcomes except that voter $a$ has veto power.
2. Do the same but where voter $b$ has veto power.
