Tallying Proportional Approval Voting (PAV)

| | B1 | U1 | B1*U1 | B2 # of | U2 | B2*U2 | B1*U1 + B2*U2 |
|--------------------------------|----------------------------------|-------------------------|-------|------------------------------|-------------------------|-------|------------------|
| Possible Sets of Winners | # of ballots with 1 winner | 1- winner utility | | ballots with 2 winners | 2- winner utility | | Total Utility |
| ВМ | 10+12=22 | 1 | 22 | 0 | 1.5 | 0 | 22 |
| BV | 10+5=15 | 1 | 15 | 0 | 1.5 | 0 | 15 |
| ВС | 6+9=15 | 1 | 15 | 4 | 1.5 | 6 | 21 |
| ВР | 0+1=1 | 1 | 1 | 10 | 1.5 | 15 | |
| MV | 9+2=11 | 1 | 11 | 3 | 1.5 | 4.5 | |
| MC | 3+4=7 | 1 | 7 | 9 | 1.5 | 13.5 | |
| MP | | 1 | | 0 | 1.5 | 0 | |
| VC | | 1 | | 0 | 1.5 | 0 | |
| VP | | 1 | | 0 | 1.5 | 0 | |
| СР | | 1 | | | 1.5 | | |

If there could be 3 winners, then the 3-winner Jefferson weight would be 1 + 1/2 + 1/3 = 1.83Some 3-winner effects: smaller #s in 1-winner column and a 3-winner column with 1.83 utility