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| weighted voting system | a formal voting arrangement where the voters are not necessarily equal in terms of the number of votes they control | motion | a vote between two options |
| player | a voter in a weighted voting system | weight | of a player, the number of votes controlled by the player |
| quota | the minimum number of votes required to pass a motion | dictator | a player whose weight is bigger or equal to the quota |
| veto power | the power to keep the remaining players from passing a motion | coalition | a set of players that join forces and agree to vote together |
| grand coalition | the coalition consisting of all the players | winning coalition | a coalition with enough votes to carry a motion |
| losing coalition | a coalition that doesn’t have enough votes to carry a motion | critical player | in a winning coalition a player without whom the coalition would be a losing coalition |
| critical count | for each player, the number of wining coalitions in which the player is a critical player | Banzhaf power index | for each player, the ration B/T in which B is the player’s critical count and T is the total critical count for all the players |
| Banzhaf power distribution | a list consisting of the Banzhaf power indexes of all the players | sequential coalition | an ordered listing of all the players |
| factorial | for a positive integer N the product of all the integers from 1 to N, (N! = 1 x 2 x 3 x … x N) | pivotal player | in a sequential coalition, as the votes are tallied from left to right, the first player whose votes make the total equal to or higher than the quota |
| pivotal count | for each player, the number of sequential coalitions in which the player is a pivotal player. | Shapley-Shubik power index | for each player, the ration SS/N! where SS is the player’s pivotal count and N is the number of players |
| Shapley-Shubik power distribution | a list consisting of the Shapley-Shubik power indexes of all the players | permutation | an ordered arrangement of a set of objects |
| dummy | a player with votes but zero power | subset | any combination of elements from the set |

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