Given years 1 and 2, how should we select the allocation for Year 3 to be fair with respect to both groups?

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* Satisfaction of a group: average over the members of the group of the amount of budget spent on projects they approved of.
* Relative sat. of a group: satisfaction corrected by the cost of the most expensive but feasible subset of projects included in the approval ballot.
* Share of a group: average over the members of the sum of the cost divided by the number of approvals for all selected and approved projects.