

Capstone Abstract

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A team consensus object provides the same *propose()* and *decide()* methods as consensus. A team consensus object solves consensus as long as no more than two distinct values are ever proposed.

With a supply of team consensus objects, n -thread consensus may be solved, with up to n distinct input values.

This may be done so by arranging input values in a bracket-like arrangement; inputs may be paired together, and a single team consensus object may be assigned to each pairing of inputs. Each team consensus object evaluates two-input consensus on its assigned pair and outputs the result. For each input that was not outputted, it may be assumed to be eliminated. This process repeats for the remaining inputs until a single input remains.