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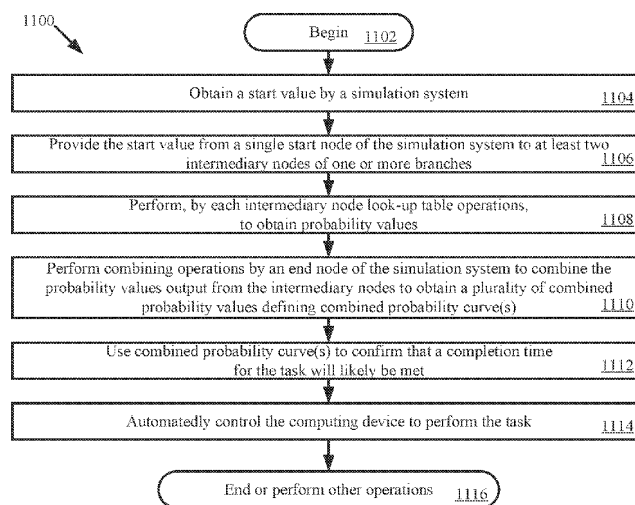


FIG. 11

(57) Abstract: Systems and methods for controlling operations of a computing device. The methods comprise: obtaining, by a simulation system (SS), a start time (ST) for a task; providing ST from a single start node of SS to intermediary nodes of branch(es); performing, by each of the intermediary nodes, look-up table operations to obtain probability values indicating probabilities that the task will be completed at respective times given ST, wherein the probability values are indexed in LUT(s) by time values; performing combining operations by a single end node of SS to combine the probability values output from the intermediary nodes to obtain combined probability values collectively defining a combined probability curve; using the combined probability curve to confirm that a completion time for the task will likely be met; and automatedly controlling operations of the computing device to perform the task based on the using.

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