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Efficient Co-Scheduling of Parallel Jobs

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Abstract - Literature review revealed that Co- scheduling of parallel jobs in the chips is well - known to produce benefit sin both system and individual job efficiency. The existing works has shown that job co- scheduling can effectively improve the contention, yet the question on the determination of optimal co-schedules still remains unanswered. The need for co-scheduling has been typically associated with communication band with and the memory. So we have proposed a novel scheduling algorithm for optimal co-scheduling and to facilitate the scheduling of parallel jobs using band with and memory concepts. To achieve good performance of running the parallel jobs, all the process in the chips must be co-scheduled simultaneously, and accordingly the work is presented.