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MSCI 555

The schedules on slides 6 and 7 of Section 2.3 are optimal because they perfectly model the schedule types they are supposed to. They accurately model according to the no-delay structure given their datasets. There is no better way to schedule under these constraints thus they are the most optimal given their constraints.

The reason that these schedules have a higher C_{MAX} than the schedule on slide 5 is because, due to the no-delay constraint, the timings result in an unfortunate stacking of jobs onto only one machine instead of the balance seen in slide 5. This stacking results in one machine having a lot of downtime as the other works. This means that if both or all three machines worked in even amounts then slide 6 and 7 would be faster.