CSE3000 TUDelft Scheduling Multi-inference with Constrained Memory



Executing multiple deep neural networks (DNN)

on low-powered devices. Splitting the networks into layers for a layer-by-layer fashion. Networks contain tasks that are mostly either IO or CPU bound in execution.



Figure 1: Partial loading, DNN layers can be arbitrarily loaded.

(4) Conclusion

Limited effects on small jobs, layer loading

policies do the 'heavy lifting' (not depicted). However, scheduling policies significantly affect large jobs with stringent memory. MEMA shows a considerable gain over baseline performance.



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Jeroen Galjaard - Professor: Dr. Lydia Chen - Supervisors: Amirmasoud Ghiassi, Bart Cox





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