

## Knapsack

## Optimization

























Submitted



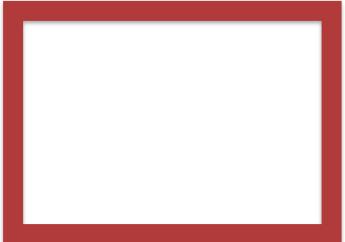


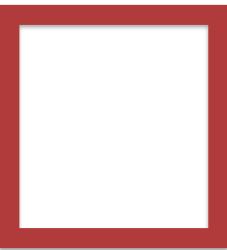


## **Transactions**



Model	Archi-	Cores	FP32 peak	Memory	Memory	Price	Release
	tecture		op per sec	size (GB)	bandwidth	(USD)	year
RTX3070	Ampere	5888	20.3T @1725MHz	8	448GB/s	500	2020
V100 SXM2	Volta	5120	15.7T @1380MHz	32	900GB/s	>10,000	2017





	Original Method	Proposed Method
V100	101	14
RTX 3070	190	10