HW3: Problem 1
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1 Part 1

1.1 Subsection A

Here is the calculation for the first outer product: [[0.43226352 0.25222353 0.48671532]
[0.10984608 0.06409462 0.12368328]
[0.42953904 0.25063381 0.48364764]].

1.2 Subsection B

The first term for the Kruskal tensor is: [[7.53169304 8.36104576]
[6.95335795 7.71902727]
[6.47565559 7.1887227]
[4.39470396 4.87862699]
[4.05724843 4.50401252]
[3.77851157 4.19458254]
[8.48045282 9.41427827]
[7.82926544 8.69138536]
[7.29138739 8.09427885]
[1.91394119 2.12469491]
[1.76697565 1.96154625]
[1.64558273 1.82678614]
[1.11677479 1.2397485]
[1.03102116 1.1445521]
[0.96018902 1.06592027]
[2.15503843 2.39234059]
[1.98955979 2.20864026]
[1.85287512 2.05690455]
[7.48422212 8.30834757]
[6.90953217 7.67037562]
[6.43484068 7.14341346]
[4.36700493 4.84787787]
[4.03167631 4.47562453]
[3.75469628 4.16814484]
[8.42700203 9.35494175]
[7.77991897 8.6366051]
[7.24543108 8.04326205]].