FINAL PROJECT\_Discrete structures

2023

**Question No. 1 (40 marks)**

Take input of 2 sets each of at least three elements. Considering Cartesian

Product of the relation, find whether these relations exist or not. Also find number

of Relations.

1. The Total number of relations
2. Reflexive Relations
3. Symmetric Relations
4. Anti-Symmetric Relations
5. Both Reflexive and Symmetric Relations
6. Both symmetric and Anti-symmetric Relations

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