CPSC 304: Introduction to Relational Algebra
Normalization 2 In-Class Exercise

Consider a relation S(G, H, J, K). The following FDs are given:

G → H
JK→G
H→K

Is S in BCNF? Why or why not?

If it is not in BCNF:
- Decompose into BCNF as covered in class.
- Circle the relations in your final answer.
- Underline the keys in your final answer.

Show your work. Write your answer here: