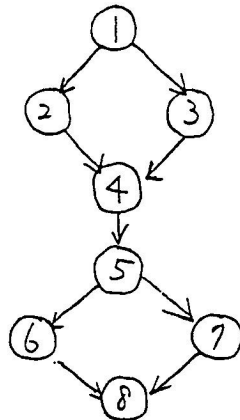


1. What are the components of an information system? (10%)
2. What are the four fundamental process activities in software process? (10%)
3. What is the difference between validation and verification? (10%)
4. List all the independent paths for the following flow graph? (10%)



5. Hardware drives software or software drives hardware, do you think which one is right in the information age? Explain in detail. (15%)
6. What is database management system? (10%)
7. Why software is soft and what should we do during the software development? (15%)
8. Construct an E-R diagram for a car insurance company with a set of customers each of which owns a number of cars. Each car has a number of recorded accidents associated with it. Make assumption as all as possible. (20%)