





4. How is it possible for such a small number of patterns to completely describe the world, which is so varied that no two parts of it are alike?

#### Pattern languages

5. How are patterns like rules of grammar?

6. What would happen if good pattern languages were limited to architects and planners, and why?

#### Good and bad patterns

7. Why does a courtyard need to have a covered veranda?















20. Speculate on the reasons for the fact that the builders' yard in Mexicali, was more orderly in its design, than the five houses designed by the families.

Value in geometry

21. What empirical criterion has been found to distinguish works which have a deep spiritual character?

22. What is the empirical significance of the fact that most of the buildings we now regard as "great" were built within a religious tradition?

Geometric properties

23. What is the main operational difference between the patterns and the geometric properties discussed in class?



24. List and briefly describe 5 of these properties; then state next to each one a pattern which manifests it.

Centering

25. Briefly describe the process of centering.

26. Give a concrete example of the centering process.

Modern architecture

27. Give a concrete example of the way in which the form of a modern building is a reflection of the production process which created it.



28. State two reasons why present-day zoning legislation makes it impossible to achieve organic order in cities.

Production

29. State one way in which the structure of the architectural profession today is inconsistent with the implementation of good pattern languages (not including separation of architect and builder).

30. State two major problems with building mortgages.

The architect-builder

31. State two advantages of the architect-builder over the conventional architect and contractor working separately.



32. What is the ratio of architects to construction workers in California? State the implication for the evolution of architect-builders.

Construction principles

33. Why does a column need to have a capital?

34. Why should a building system be based on a generative process rather than an assembly of components?

Rebuilding Berkeley

35. In a properly functioning community would the people on a block own the common land or street collectively, or would it be better for it to be owned by the city or state government? Explain.



36. Give an example of a statement which might appear on a diagnosis, and what might be done to repair it.

Israel project

37. What is the essential difference between a pattern as defined in A Pattern Language, and a generative rule as defined in the Israeli project?

38. Explain how the discipline of rules gives an artist more freedom rather than less.

The coherence of the theory

39. A certain body of fact, theory and practice has been presented in this course. What makes it science, rather than philosophy or style?



40. What does it mean to say that a theory is a "nice theory"?

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