Briefly (in up to 300 words), discuss the suitability of the format in M4 for exchanging or sharing information on who occupies which house when. Is XML used well? Why (not)? Could we improve the format? If yes, how? Could WXS be used to describe your improved format? If yes, which of its features would play a major role? If no, why not?

Yes, it is used well. For each attribute in xml, attribute relationships are reasonable in general way. Besides, data type is also correct (e.g. String for name, number for time).

Yes, we can improve the format. In order to improve the format, we can add more rules in schematron. However, those additional rules depend on requirements and relationship between each attribute.

No, WXS can not be used to describe improved format. It is because WXS is focusing on structures constraint and data types constraint. Structures constraint allows you to constrain the structure of the document, and the data types constraint allows you to constrain the contents of simple elements and attributes. Nevertheless, in this case, an improved format emphasis on attributes relationship depending on user requirements like if a house can be shared by different families.