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Formal languages and their relation to automata by Hopcroft, John E., 1939-; Ullman, Jeffrey D., 1942-Publication date 1969 Topics Lenguajes de programación (Computadores electrónicos), Lingüística computacional, Lingüística matemática, Communication Publisher

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to Automata 113 To design an alternate notation, observe first that replacing " $(q,z) \in \delta(p,x,y)$ " by the 5-tuple " $(p,x,y,z,q)$ " and permitting  $x, y, z$  to be arbitrary strings improves the (What one has now is syntax and power of the language. similar to a "generalized pda"; see Ginsburg (6, p. 62).)

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## FORMAL LANGUAGES AND THEIR RELATION TO AUTOMATA: WHAT ...

A formal language is a set of strings (possibly infinite), all over the same alphabet. Now, we consider some examples. Binary strings. We begin with examples of formal languages over the binary alphabet. The simplest way to specify a formal language is to enumerate its strings.



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5.1 Formal Languages - Princeton University

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two regular languages, their union  $L_1 \cup L_2$  will also be regular. For example,  $L_1 = \{a^n \mid n \geq 0\}$  and  $L_2 = \{b^n \mid n \geq 0\}$   $L_3 = L_1 \cup L_2 = \{a^n \cup b^n \mid n \geq 0\}$  is also regular. Intersection. If  $L_1$  and  $L_2$  are two regular languages, their intersection  $L_1 \cap L_2$  will also be regular. For example,

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Regular Expressions, Regular Grammar and Regular Languages ...  
For instance, an immigrant is more likely to acquire their new target language if their language and the target language are socially equal, if the group of immigrants is small and not cohesive and if there is a higher degree of similarity between the immigrant's culture and that of their new area of residence.

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