Usable characters: E, F, G, H, I

Rules that must always apply:

	Name	Beschreibung
Rule1	chainPrecedence(G,E)	If the character „E" occurs, character „G" must have occured directly before.
Rule 2	alternateResponse(E,F)	If the character „E" occurs, character „F" must follow eventually and character „E" may not occur again before „F".
Rule 3	response(F,H)	If the character „F" occurs, it must be eventually followed by character „H".
Rule 4	coExistence(G,F)	The characters „G" and „F" must occur both or none in the character sequence.

Which rules does the character sequence „EFGE" fulfill?

„HGE" is an invalid character sequence. How can „HGE" be continued to a valid character sequence of minimal length?

How can the character sequence „IHE" be contuinued to a valid character sequence?

Provide all valid character sequences up to and including length 2.

Provide all valid character sequences of length 4 beginning with „FG".

Provide a minimal valid character sequence, which includes the character „F" twice.

<u>Antworten</u>

1)
   a) coExistence(G,F)

2)
   a) „HGEFH"
   b) Not possible
3)
   a) ϵ, „H", „I", „HH", „HI", „IH", „II"
   b) „FGHH", „FGHI", „FGHG", „FGFH", „FGIH", „FGGH"
   c) „FFHG", „FFGH", „FGFH"