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16. What language does the grammer with these productions generate?

 $S \rightarrow Aa$ $S \Rightarrow Aa \Rightarrow Ba \Rightarrow Aaa \Rightarrow Baa$

A > B => Aaaa => Baaa => Aaaaa ...

B > Aa * This language is NOT regular, if has

L= { Infinite string of a's } no final state: je: infinite

17. Let Z= {a,b}. For each of the following languages, find a grammer that generates it.

b) Lo = { a3n ban: n2a}

* Productions (P)

S > aaaaaa A bbbbB

A> aaaA/)

B > bbB/

G=({S,A,B}, {a,b},

* n=3 5 > aagaaaAbbbbB => aaaaaaaaaAbbbbB

=> aaaaaaaaaaabbbbB => aaaaaaaaabbbbbbB

=) aaadaaaaa bbbbbb