

Strings accepted:

- ab
- abb
- abbb
- aabb
- aabbb
- aabbbbb
- aabbbbbb
- aaabbb
- aaabbbb
- aaabbbbb
- aaabbbbbb
- aaabbbbbbb
- aaabbbbbbbb
- aaabbbbbbbbbb
- aaaabbbbbbbbbbbb

Notes:

- Must begin with a
- There can be no more a's after first iteration of b
- a must be less than or equal to b
- b can be greater than a by number of a's multiplied by 3.

Therefore, $L(M) = \{a^n b^{mn} : n \geq 1, 1 \leq m \leq 3\}$

Results for my PDA:

