HW-7

1.) M_α = all sequences of α

M_β = all sequnces of β

M' = all strings that don't contain "abb"

$M_\alpha \times M_\beta \times M' = M$

Run the path algorithm on finite automata M.
from intial to ~~accepting~~, accepting until you meet all.
the the criteria. $O(n \cdot m)$ where $n = |\alpha|$, $m = |\beta|$

2.) M_1 = all sequnceses of strings L_1

M_2 = all sequences of L_2.

M = common sequnces of L_1 and L_2.
D = lengths of longest string in M.

$M_1 \times M_2 = M$.

final length of M of longest string is accepted by
F.f M by running longest path algorith on M
from intial to final and return length.