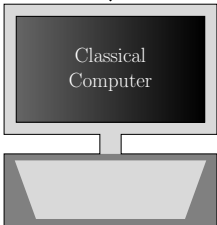


input

0 1 0 1 1 0 1 0 1



1 1 0 1 1 0 0 1 0

output