**Are the following pairs of Reg Ex’s equivalent, i.e., do they represent the same set of strings?**

**1.**

i).Both regular expressions can start with 0 or 1.

ii).Both can end with 0 or 1.

iii).Both do not allow consecutive 0 s.

iv).Both represent the language of all binary strings without consecutive 0 s

(except 11\* which neither of them include).

v).The first RegEx excludes consecutive 0 s by requiring every 0 except the first one to be preceded by a 1.

vi).The second RegEx achieves the same result by requiring every 0 except the last one to be followed by a 1.

(For your information.)