Berejnec Adrian-Daniel 1.1

**Aplicatia 6**

**Diagrama de timp realizata de mana :**

*A picture containing text, whiteboard

Description automatically generated*

**Circuitul cu capacitate:**

Diagram, schematic

Description automatically generated

**Circuitul fara capacitate:**

Diagram

Description automatically generated

**Tabel masuratori :**

Table

Description automatically generated

Ra = 10.6k Ohm, Rb = 5.8k Ohm, Rc = 0.5k Ohm, C1 = 100 pF :

Chart

Description automatically generated

* tdb = 7.32 ns
* tbl = 13.51 ns

Ra = 10.6k Ohm, Rb = 5.8k Ohm, Rc = 0.5k Ohm, C1 = 300 pF :

A picture containing chart

Description automatically generated

* tdb = 5.25 ns
* tbl = 14.07 ns

Ra = 10.6k Ohm, Rb = 5.8k Ohm, Rc = 0.5k Ohm, C1 = 1000 pF :

Diagram

Description automatically generated with medium confidence

* tdb = 5.25 ns
* tbl = 13.12 ns

**Concluzie :**

In concluzie, putem spune ca din cauza obtinerii unor timpi de comutare foarte mari, se ajunge la necomutarea portii la frecventa respective.

De asemenea, circuitul realizeaza poarta SI-NU.