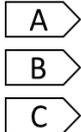
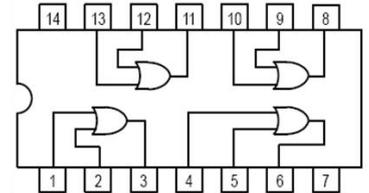
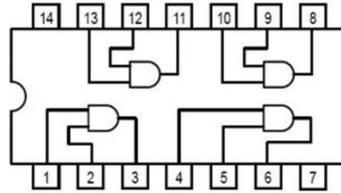
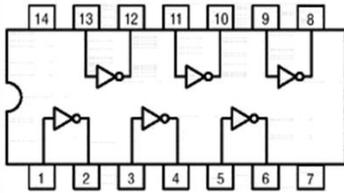


PARTE 4: REALIZZAZIONE DEI CIRCUITI LOGICI

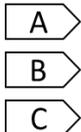
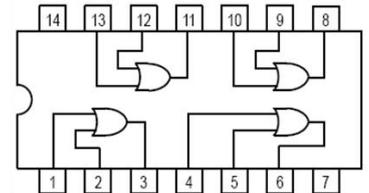
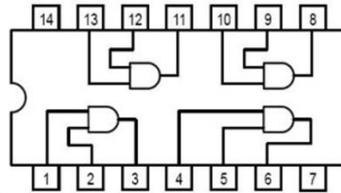
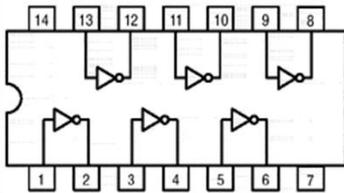
ESERCIZIO 4.1: Realizza la funzione logica data utilizzando i circuiti integrati 74LS04, 74LS08 e 74LS32. Ricorda di inserire le necessarie alimentazioni, di utilizzare gli ingressi A, B, C e di collegare opportunamente il led in uscita.

$$U = \bar{A} \cdot B + \bar{C}$$



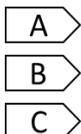
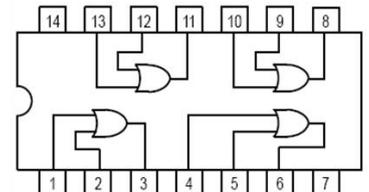
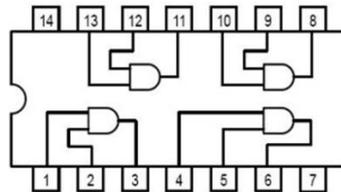
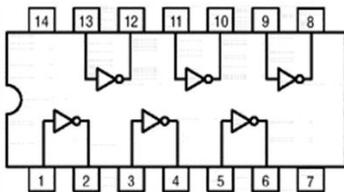
ESERCIZIO 4.2: Come l'esercizio 4.1 con la seguente espressione.

$$U = A \cdot \bar{C} + \bar{A} \cdot \bar{B} + B$$



ESERCIZIO 4.3: Come l'esercizio 4.1 con la seguente espressione.

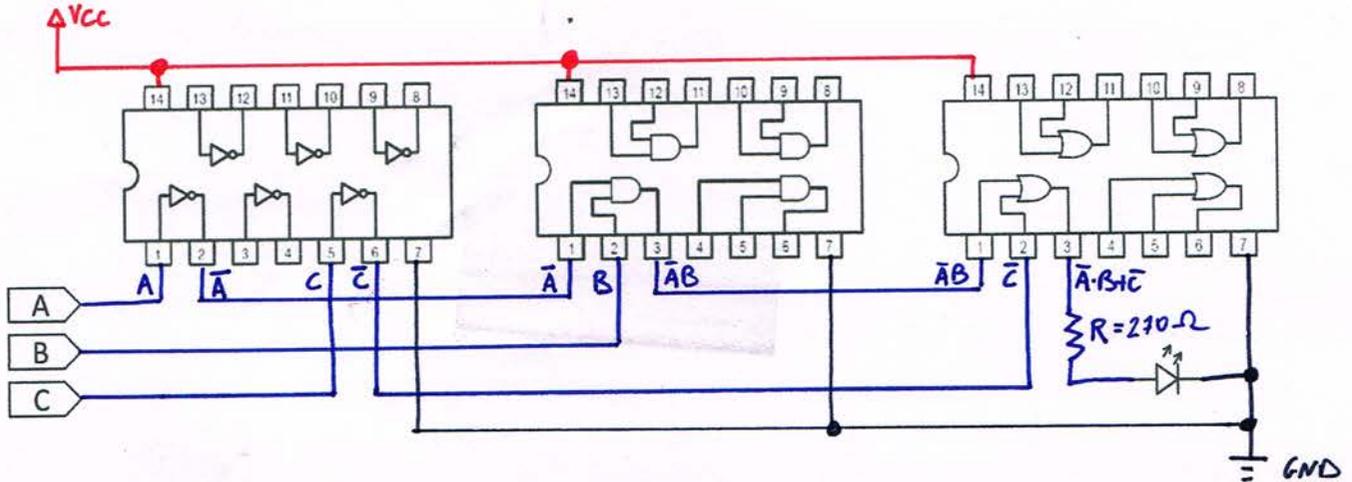
$$U = \bar{C} + \bar{A} \cdot B \cdot \bar{C} + A \cdot B$$



PARTE 4: REALIZZAZIONE DEI CIRCUITI LOGICI

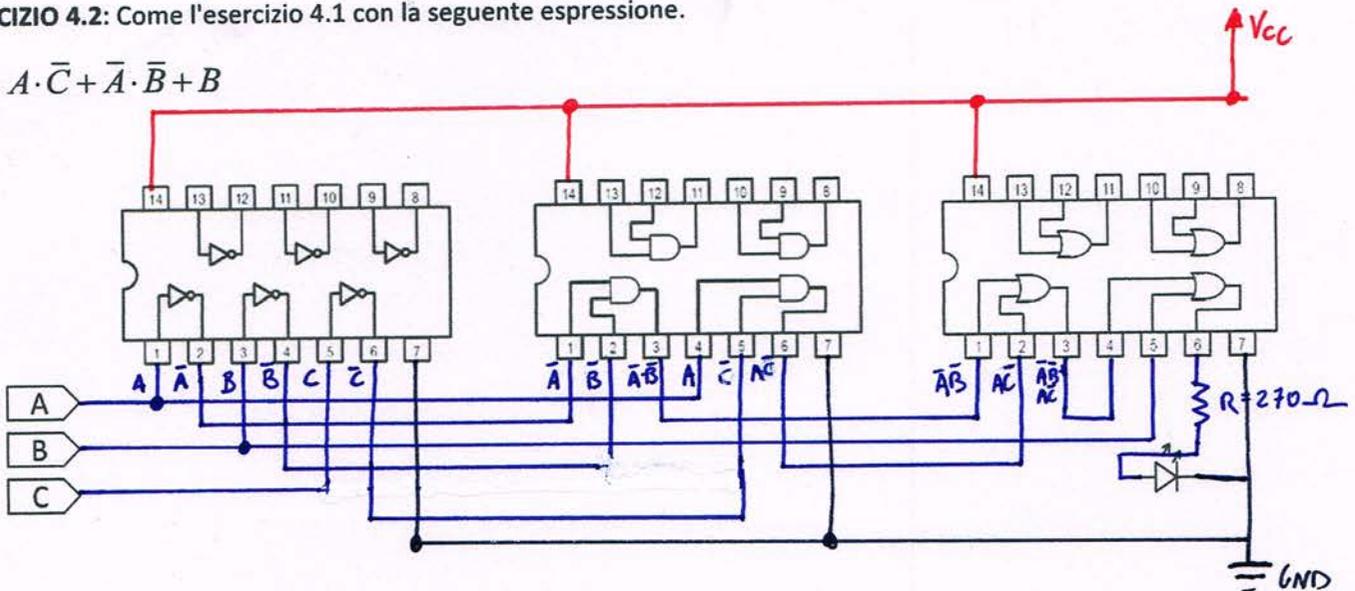
ESERCIZIO 4.1: Realizza la funzione logica data utilizzando i circuiti integrati 74LS04, 74LS08 e 74LS32. Ricorda di inserire le necessarie alimentazioni, di utilizzare gli ingressi A, B, C e di collegare opportunamente il led in uscita.

$$U = \bar{A} \cdot B + \bar{C}$$



ESERCIZIO 4.2: Come l'esercizio 4.1 con la seguente espressione.

$$U = A \cdot \bar{C} + \bar{A} \cdot \bar{B} + B$$



ESERCIZIO 4.3: Come l'esercizio 4.1 con la seguente espressione.

$$U = \bar{C} + \bar{A} \cdot B \cdot \bar{C} + A \cdot B$$

