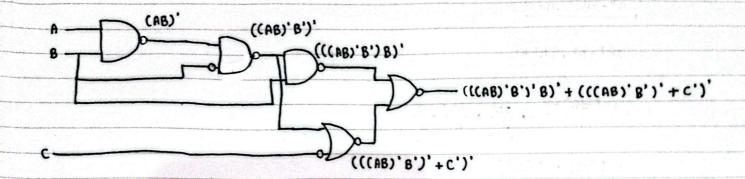
Nama: Muhammad Fadhil Mulyadi

NIM : HO7124011

Kelas: Logika Kompater A

1. Carilah output Ydari rangkaian logika berikut

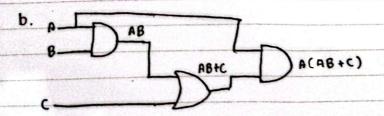


2. Diberikan rangkaian logika berikut

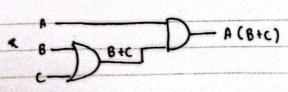
: AB + A + B

H. Penyerapan

: A + B



H. Distributif



: AB +AC

H. Idempoten

· A(B+C) - H. Distr butif

itrulah Silah bammataki

- 3. Tentukan notasi Big O
 - a. T(n): 1+4+9+...+ n2
 - k: n(n+1)(2n+1)
 - : <u>(us+u)(su+i)</u>
 - : 2n3+n2+2n2+N
 - - : T(n): O(n3)
 - b. T(n): 2(nlog n+1) + (log n +1)(n2+1) 4 2n logn + 2 : (2 n log n + 2) + (n2 log n + log n + n2 + 1) · O(n log n)
 - 5 n2 log n + log n + n2+1 · n2 log n + 2 nlog n + n2 + log n + 3 T(n) : O C n2 log n) 11:0 (n2 log n)
 - C. T(n): (n+1)2+6.2" + 2024.n!
 - : (n2+2n+1) +(6.2") +(2024. n!) 4 (n+1)2 : n2+2n+1

J+80A+

- : T(n) : O(n!) : 0 (n2)
- 4 6.20 : O(2")
- 4 2024.n! : O (n!)