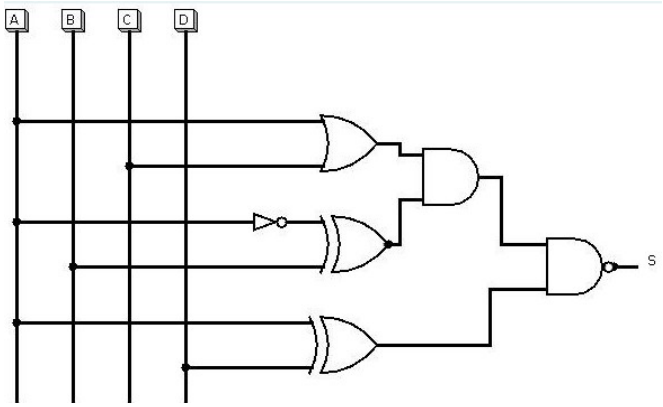
Exercícios circuitos combinacionais

Exercício 1:

Qual expressão descreve o seguinte circuito?



a) ((A + C) * (A' + B) * (A + D))'

b) ((A + C) * (A' xor B) * (A xor D))'

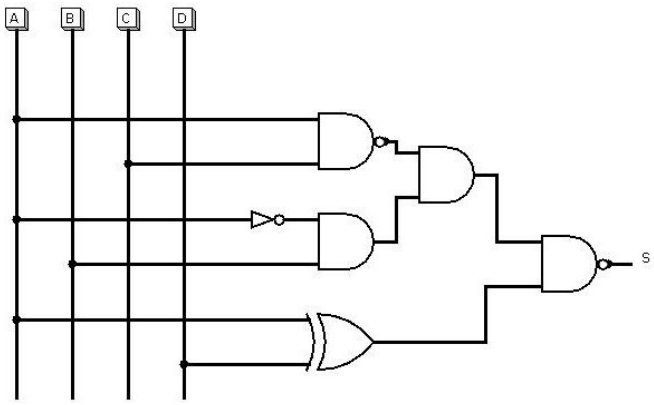
c) (A + C) * (A xor B) * (A xor D)

d) (A + C) * (A' xor B) * (A xor D)'

e) (A + C) * (A' + B) * (A + D)'

Exercício 2:

Qual expressão descreve o seguinte circuito?



a) (A * C)' * (A' * B) * (A + D)'

b) ((A * C)' * (A' * B) * (A + D))'

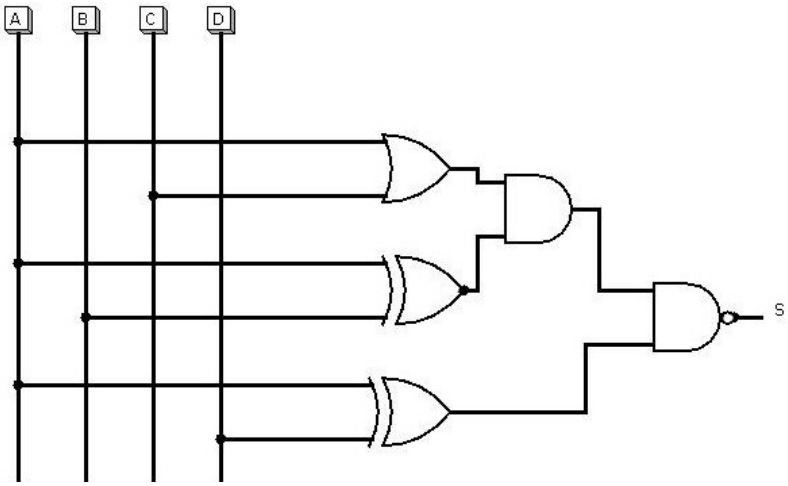
c) ((A * C)' * (A' * B) * (A xor D))'

d) (A * C)' * (A' * B) * (A xor D)'

e) ((A * C)' * (A' * B) * (A xor D)')

Exercício 3:

Qual expressão descreve o seguinte circuito?



a) ((A + C) * (A xor B) * (A xor D))'

b) (A + C) * (A xor B) * (A xor D)

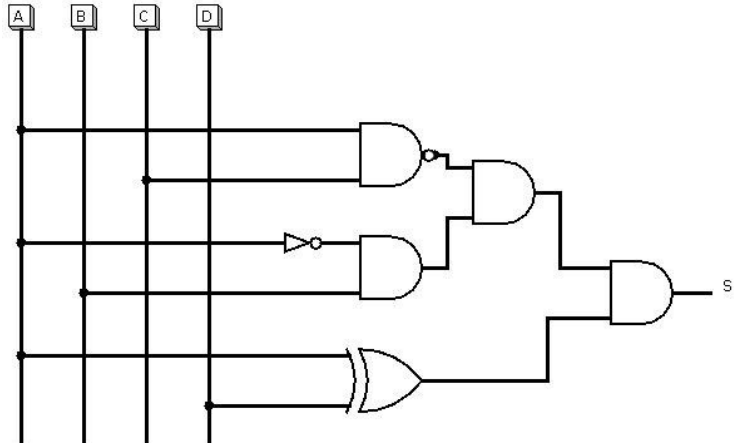
c) ((A + C) * (A + B) * (A + D))'

d) ((A xor C) * (A xor B) * (A xor D))'

e) (A + C) * (A xor B) * (A xor D)'

Exercício 4:

Qual expressão descreve o seguinte circuito?



a) (A * C) * (A' * B) * (A xor D)

b) (A * C) * (A * B) * (A xor D)

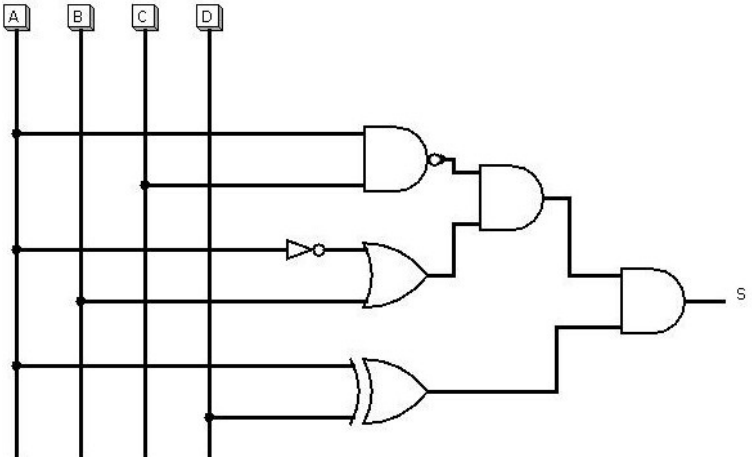
c) (A * C)' * (A * B) * (A xor D)

d) (A * C)' * (A' * B)' * (A xor D)

e) (A * C)' * (A' * B) * (A xor D)

Exercício 5:

Qual expressão descreve o seguinte circuito?



a) (A * C)' * (A' * B) * (A xor D)

b) (A + C)' * (A' * B) * (A xor D)

c) (A * C) * (A' + B) * (A xor D)

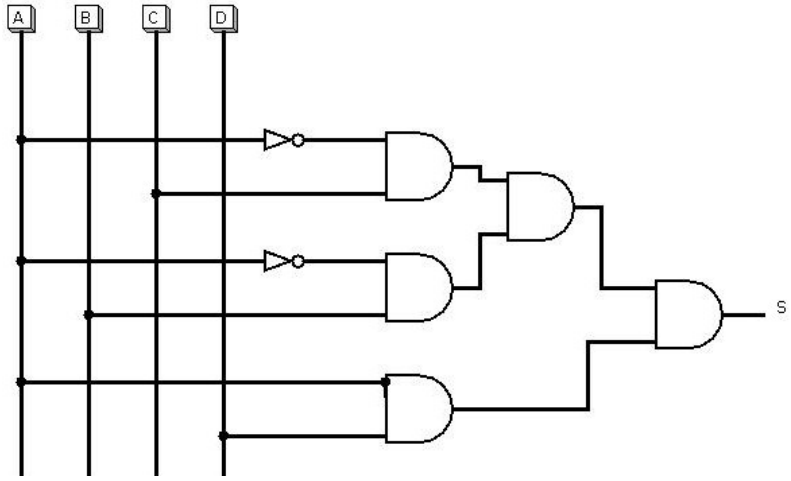
d) (A * C)' * (A' + B) * (A xor D)

e) (A * C)' * (A' + B) * (B xor D)

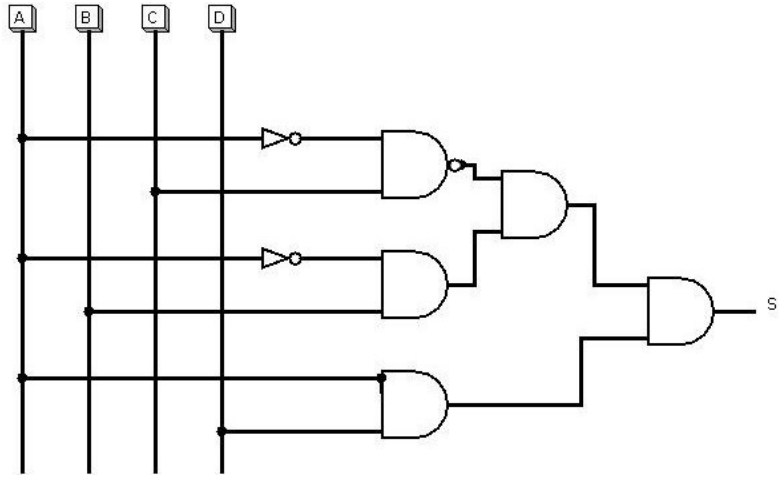
Exercício 6:

Qual expressão corresponde a qual circuito?

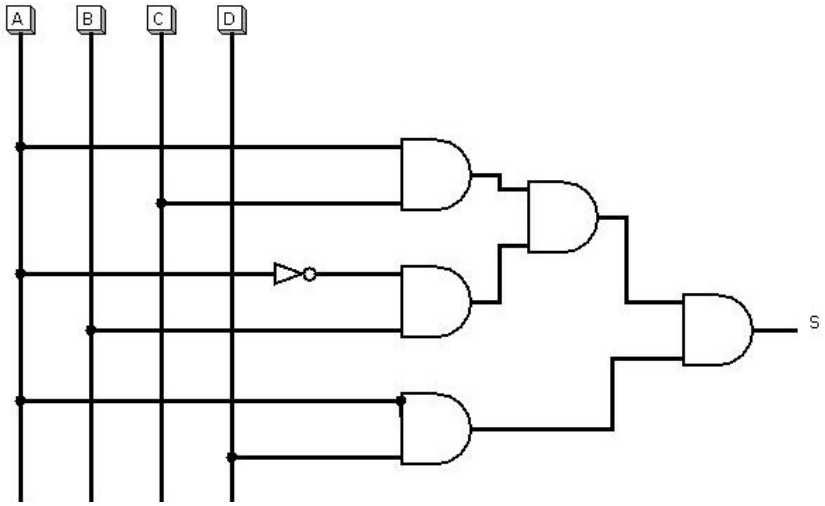
a)



b)



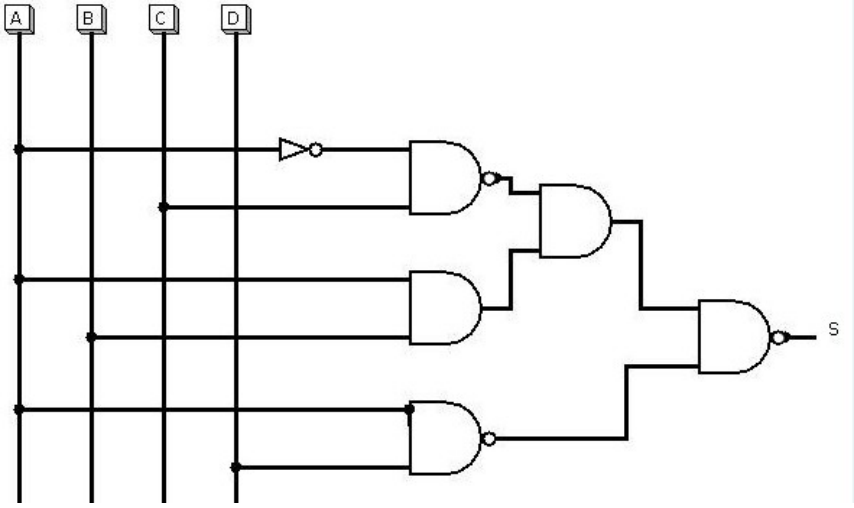
c)



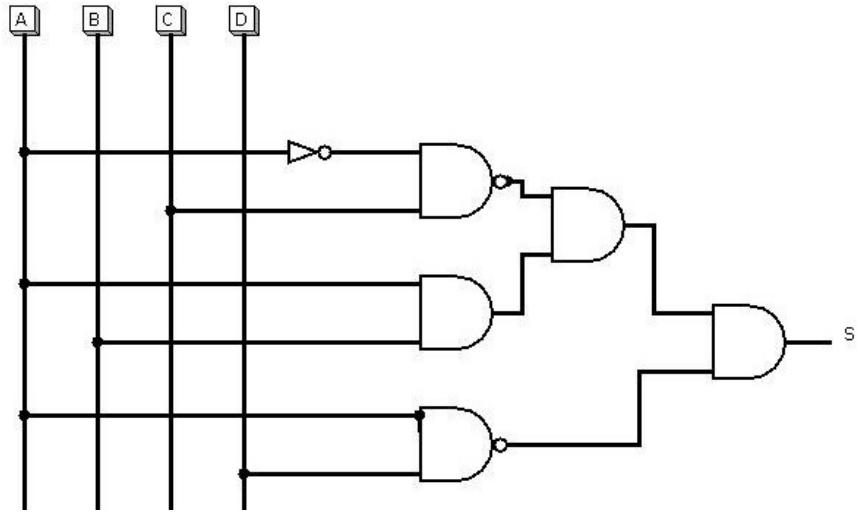
Exercício 7:

Qual expressão corresponde a qual circuito?

a)



b)



c)