

Write the equivalent expressions to each of the following logic expressions in python:

1. *A or B and C or D*
2. *A or B or C and D*
3. *A or B or C and D or E*
4. *not A and B or not C and D*
5. *A and B or not C*

Solution:

1. *A or D or (B and C)*
2. *A or B or (C and D)*
3. *A or B or E or (C and D)*
4. *((not A) and B) or ((not C) and D)*
5. *(A and B) or (not C)*