## Resolution

-A V B V E, -B V -D, C V A, -C, D, -E

## Assignment Project Exam Help

Apply resolution to this (set/conjunction of) clauses <a href="https://powcoder.com">https://powcoder.com</a>

Which sequence(s) may be generated amongst

$$\neg A \lor E \lor \neg D$$
,  $E \lor \neg D \lor C$ ,  $\neg D \lor C$ ,  $C$ ,  $\Box$ 

B 
$$\vee$$
 E  $\vee$  C , E  $\vee$  ¬D  $\vee$  C , ¬D  $\vee$  C , C,  $\square$ 

$$EV\neg DVC, \neg DVC, BVEVCVA, C, \square$$

## Resolution

```
\neg A \lor B \lor E, \neg B \lor \neg D, C \lor A, \neg C, D, \neg E
```

- Resolution with ¬A V B V E and ¬B V ¬D gives ¬A V E V ¬D Assignment Project Exam Help
  Resolution with ¬A V E V ¬D and C V A gives E V ¬D V C
- Resolution with E V ¬D\\tesinovegq\\esicon\\C
- Resolution with ¬D V CAND WEIVANCPOWCOder
- Resolution with C and  $\neg$ C gives  $\square$

Thus the sequence  $\neg A \lor E \lor \neg D$ ,  $E \lor \neg D \lor C$ ,  $\neg D \lor C$ ,  $\Box$  may be generated by applying resolution

## Resolution

```
\neg A \lor B \lor E, \neg B \lor \neg D, C \lor A, \neg C, D, \neg E
```

- Resolution with ¬A V B V E and C V A gives B V E V C Assignment Project Exam Help
  Resolution with B V E V C and ¬B V ¬D gives E V ¬D V C
- Resolution with E V ¬D\\tesinovegq\\esicon\\C
- Resolution with ¬D V CAND WEIVANCPOWCOder
- Resolution with C and  $\neg$ C gives  $\square$

Thus the sequence B V E V C, E V  $\neg$ D V C,  $\neg$ D V C,  $\Box$  may be generated by applying resolution