

2. Negate conclusion & convert result to CNF

3. Add migrated consensus.
4. Repeat until contradiction or no progress is made.

a. Select 2 clauses

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- b. Resolve them together, performing all required Unification
- c. If Resultant is the empty clause a contradiction has

been found  
d. if not, add reagent to the premises

proof by Resolution

Eliminate implantation, more migration will be made & environment

② Val foodix)  $\rightarrow$  likes (John, x)

b)  $\text{food}(\text{Apple}) \cap \text{food}(\text{vegetables})$

③  $\text{Ex} \text{Ey} : \text{eats}(x, y) \wedge \neg \text{killed}(x) \rightarrow \text{food}(y)$

Eats Unmilked peanuts & olive (oil)?

$$\text{Th: } \text{cats}(\text{Mail}, x) \rightarrow \text{cats}(\text{Harry}, x)$$
$$\forall x: \text{alive}(x) \rightarrow \neg \text{killed}(x)$$

like (John, peanuts)

proof by Resolution - continued

②  $\neg \text{food}(x) \vee \text{likes}(\text{john}, x)$

② Food (Apple) had a red waxed

Food (vegetables) eaten 19/10/2011

$$\neg \text{Killed}(y) \vee \text{Killed}(y) \vee \text{Food}(z)$$

Buts (Amil, p. 100)

alive! Amilia

$$Cats(Lamill, w) \vee Bats(Hurry, w)$$

Killed by a virus from a different cell.

Alive (K) & Killed (K) (9/1/21)

like (John, parents)

7. *Lilka (John, purnati)*

$$7 \text{ food}(x) \vee \text{likes}(\text{john}, x)$$
$$2\pi \cos \theta / \lambda$$

7 food & peanuts?

$$\neg \text{eats}(y, z) \vee \text{kills}(y) \vee$$

food (z)

8 p/cmuts/22

7 cats (4, 1 pregnant) & 1 killed by

Rats (Amil; Pioneta)

Effort!

Family 3

killed Amir?

701ive(12)N7skilled

Samillik

### olive leaf

Olive L Amil

3/12/20

Heine proved

Output

Proven: John likes peanuts