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## problem 2:

You can see the movie only if you are over 18 years old or you have the permission of a parent. Express your answer in terms of *m*: "You can see the movie," *e*: "You are over 18 years old," and *p*: "You have the permission of a parent."

answer:

We know that the statement "if P,q" can be expressed as P-->s and q or r can be expressed as p v q. In this question, p is m,q is e and r is p.

So,s is e or p which can be expressed as (e v p).

Now,the whole statement can be expressed as    m-->(e v p).