1   Exercise: predicate logic

Translate the following natural language sentences into Predicate
Logic. You'll want to use logical connectives from propositional logic
(like ¬, &, ∨, and →) for some of them.

1. Maz saw Rey   SEE(**m**,**r**)

2. BB-8 is orange   ORANGE(**b**)

3. Jakku is near this planet NEAR(**j**, **this planet**) or NEAR(**j**,**p**)

4. The droid showed the map to the scavenger

                         SHOW(**the droid, the map, the scavenger**)

                                                    or SHOW(**d**,**m**,**s**)

5. Luke is old and Rey isn't   OLD(**l**) & ¬OLD(**r**)

6. Finn is a brave Stormtrooper

                          BRAVE(**f**) & STORMTROOPER(**f**)

7. Finn hugged Rey, and Poe hugged her too

                                   HUG(**f**,**r**) & HUG(**p**,**r**)

8. If Luke dies, Kylo will be happy

                                   DIE(**l**) → HAPPY(**k**)

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