## PHIL1012 INTRODUCTION TO LOGIC

PROBLEM SET 4 (S2 2021)

Submit your answers to Problem Set 4 via Canvas before 23:59, Wednesday of Week 7.

1. Is the following set of connectives functionally complete? Explain.

$$\{\rightarrow, \perp\}$$

2. Define the following connective  $\dagger$  using only  $\neg$ ,  $\wedge$ , and  $\vee$ .

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