Problem Set 3

COSC 290 Spring 2018

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1 Problem 1: Translating natural language into logic

1.1 DLN 3.145

$\forall t \in T : [\forall j \in J : (scheduledAt(j,t) \implies \exists k \in J - j : scheduledAt(k,t))]$

1.2 DLN 3.146

$\forall j \in J : [\exists t \in T : scheduledAt(j,t)]$

1.3 DLN 3.147

1.4 DLN 3.148

$\exists t \in T : [scheduledAt(B,t) \land \exists x \in T - t : [scheduledAt(B,x) \land \exists y \in T - t - x : scheduledAt(B,y)]]$

1.5 DLN 3.149

1.6 DLN 3.150

$\exists t \in T : [scheduledAt(D,t) \land \exists k \in T : [scheduledAt(E,k) \land \forall n \in T : [scheduledAt(E,n) \implies n <= k] \land t > k]]$

1.7 DLN 3.151

$\exists t \in T : [scheduledAt(]$

1.8 DLN 3.152

2 Problem 2: More binary numbers

Replace this with your answer to problem 2. Use `\subsection{}` to separate your answer into parts.

3 Problem 3: Circuits

Replace this with your answer to problem 2. Use `\subsection{}` to separate your answer into parts.

4 Problem 4: More circuits

Replace this with your answer to problem 2. Use `\subsection{}` to separate your answer into parts.