Problem Set 6

1. Book, 8.22 .   [*ADD* and *PAL-ADD* are in L]

2. Book, 8.27 .   [*STRONGLY-CONNECTED* is NL–complete]

3. Book, 9.19 .   [*USAT* $\in \mathrm{P}^{SAT}$]

4. Book, 9.17 .   [P contains a language not decidable by a 2DFA]

5. Book, 10.21 . [EQ_{BP} is coNP–complete]

6. Book, 10.20 . [RP $\cap$ coRP = ZPP]

7.* Book, 10.19 . [if NP $\subseteq$ BPP then NP = RP]

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