Problem Solving Homework (Week 14)

161180162 Xu Zhiming

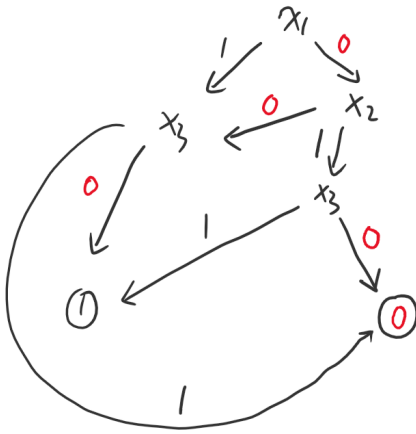June 12, 2018

JH Chapter 2

2.2.3.21

Figure 1: The branching problem in (a) and (b) can be represented with the same graph

2.2.3.22

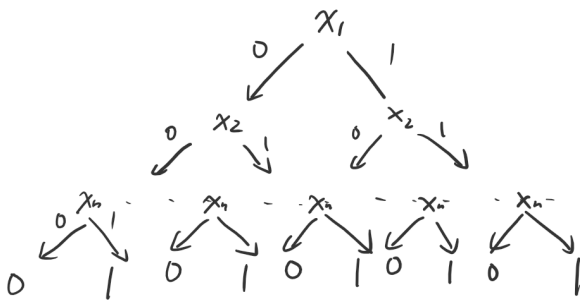As is shown in the figure.

Figure 2: For problem 22

JH Chapter 5

5.3.4.12

Since the main computation in NEQ-POL comes from step 2 where two evaluations of polynomials are needed, we need to employ fast algorithm for that. Therefore, Horner's method is used for evaluation, which requires d additions and $2d - 1$ multiplication.