VIS : Technology Transfer Course

University of California, Berkeley

Lab # 10 : Computational and Efficiency Issues in VIS

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1 Introduction

The main goal of this lab is to have some understanding of the underlying computation in VIS. Also some techniques on how to improve the performance of verification process in VIS will be introduced.

2 Hands on Experience

Problem #1 Dynamic Variable ordering: Read the file "scriptA". Run "vis" with that script using following command:

```
vis> source -x scriptA
```

Observe the output and note down the following:

1. Shared MDD size of transition relation (for forward image computation):
2. MDD size of the reachable states:
3. Reachability analysis time:

Now read the file "scriptB". Run "vis" with that script.

```
vis> source -x scriptB
```

Observe the output and note down the following:

1. Shared MDD size of transition relation (for forward image computation):

2. MDD size of the reachable states:
3. Reachability analysis time: