

The title

by  
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DALHOUSIE UNIVERSITY

FACULTY OF COMPUTER SCIENCE

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## **Abstract**

This is a test document.

## Acknowledgements

Thanks to all the little people who make me look tall.

# Chapter 1

## Introduction

Get it done! Use reference material by Lamport [2] or Gooses, Mittelback, and Samarin [1].

## Chapter 2

### Doing It

#### 2.1 Getting Ready

Get all the parts that I need. I can throw in a whole pile of terms like preparation, methodology, forethought, and analysis as examples for me to use in the future.

#### 2.2 Next Step

Do it!

Of course, you have to have pictures to show how you did it to make people understand things better.

Thanks to Todd Eavis for providing the sample algorithm.



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**Algorithm 1** Add Non Essential Views
 

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**Input:** A tree  $E$  consisting of the selected group-bys, and a guiding graph  $G$ . Also used are auxiliary variables  $BP$  (best plan) and  $CP$  (current plan).

**Output:** Reduced tree  $R$ .

{Add nodes from  $G - R$  to  $E$  as long as the total cost improves}

```

1: repeat
2:   clear  $BP$ 
3:   for every  $v$  in  $G - R$  do
4:     clear  $CP$ 
5:      $CP.node = v$ 
6:     FindBestParent( $R, CP$ )
7:     FindBestChildren( $R, CP$ )
8:     if  $CP.benefit > BP.benefit$  then
9:        $BP = CP$ 
10:    end if
11:  end for
12:  if  $BP.benefit > 0$  then
13:    add  $BP.node$  to  $R$  and update  $R$  accordingly
14:  end if
15: until  $BP.benefit \leq 0$ 

```

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## **Chapter 3**

### **Conclusion**

Did it!

## Bibliography

- [1] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The LaTeX Companion*. Addison-Wesley, 1994.
- [2] Leslie Lamport. *A Document Preparation System Latex User's Guide and Reference Manual*. Addison-Wesley, 1986.