




# Placeholder title: Formal methods in constraint-based learning

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## Abstract

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**2012 ACM Subject Classification** Replace `ccsdsc` macro with valid one

**Keywords and phrases** Dummy keyword

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- 46 ■ `\title` and, in case of long titles, `\titlerunning`.
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 79 of questions or comments: [http://drops.dagstuhl.de/styles/lipics-v2021/](http://drops.dagstuhl.de/styles/lipics-v2021/lipics-v2021-authors/lipics-v2021-authors-guidelines.pdf)  
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## 2 Lorem ipsum dolor sit amet

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► **Lemma 1** (Lorem ipsum). *Vestibulum sodales dolor et dui cursus iaculis. Nullam ullamcorper purus vel turpis lobortis eu tempus lorem semper. Proin facilisis gravida rutrum. Etiam sed sollicitudin lorem. Proin pellentesque risus at elit hendrerit pharetra. Integer at turpis varius libero rhoncus fermentum vitae vitae metus.*

**Proof.** Cras purus lorem, pulvinar et fermentum sagittis, suscipit quis magna.

**Just some paragraph within the proof.** Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

▷ **Claim 2.** content...

Proof. content...

1. abc abc abc

► **Corollary 3** (Curabitur pulvinar, [2]). *Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.*

► **Proposition 4.** *This is a proposition*

Proposition 4 and Proposition 4 ...

### 2.1 Curabitur dictum felis id sapien

Curabitur dictum Corollary 3 felis id sapien Corollary 3 mollis ut venenatis tortor feugiat. Curabitur sed velit diam. Integer aliquam, nunc ac egestas lacinia, nibh est vehicula nibh, ac auctor velit tellus non arcu. Vestibulum lacinia ipsum vitae nisi ultrices eget gravida turpis laoreet. Duis rutrum dapibus ornare. Nulla vehicula vulputate iaculis. Proin a consequat neque. Donec ut rutrum urna. Morbi scelerisque turpis sed elit sagittis eu scelerisque quam condimentum. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Aenean nec faucibus leo. Cras ut nisl odio, non tincidunt lorem. Integer purus ligula, venenatis et convallis lacinia, scelerisque at erat. Fusce risus libero, convallis at fermentum in, dignissim sed sem. Ut dapibus orci vitae nisl viverra nec adipiscing tortor condimentum [1]. Donec non suscipit lorem. Nam sit amet enim vitae nisl accumsan pretium.

■ **Listing 1** Useless code.

```
for i:=maxint to 0 do
begin
  j:=square(root(i));
end;
```

## 119 2.2 Proin ac fermentum augue

120 Proin ac fermentum augue. Nullam bibendum enim sollicitudin tellus egestas lacinia euismod  
 121 orci mollis. Nulla facilisi. Vivamus volutpat venenatis sapien, vitae feugiat arcu fringilla ac.  
 122 Mauris sapien tortor, sagittis eget auctor at, vulputate pharetra magna. Sed congue, dui  
 123 nec vulputate convallis, sem nunc adipiscing dui, vel venenatis mauris sem in dui. Praesent  
 124 a pretium quam. Mauris non mauris sit amet eros rutrum aliquam id ut sapien. Nulla  
 125 aliquet fringilla sagittis. Pellentesque eu metus posuere nunc tincidunt dignissim in tempor  
 126 dolor. Nulla cursus aliquet enim. Cras sapien risus, accumsan eu cursus ut, commodo vel  
 127 velit. Praesent aliquet consectetur ligula, vitae iaculis ligula interdum vel. Integer faucibus  
 128 faucibus felis.

- 129 ■ Ut vitae diam augue.
- 130 ■ Integer lacus ante, pellentesque sed sollicitudin et, pulvinar adipiscing sem.
- 131 ■ Maecenas facilisis, leo quis tincidunt egestas, magna ipsum condimentum orci, vitae  
 132 facilisis nibh turpis et elit.

133 ► Remark 5. content...

## 134 3 Pellentesque quis tortor

135 Nec urna malesuada sollicitudin. Nulla facilisi. Vivamus aliquam tempus ligula eget ornare.  
 136 Praesent eget magna ut turpis mattis cursus. Aliquam vel condimentum orci. Nunc congue,  
 137 libero in gravida convallis [3], orci nibh sodales quam, id egestas felis mi nec nisi. Suspendisse  
 138 tincidunt, est ac vestibulum posuere, justo odio bibendum urna, rutrum bibendum dolor sem  
 139 nec tellus.

140 ► **Lemma 6** (Quisque blandit tempus nunc). *Sed interdum nisl pretium non. Mauris sodales  
 141 consequat risus vel consectetur. Aliquam erat volutpat. Nunc sed sapien ligula. Proin faucibus  
 142 sapien luctus nisl feugiat convallis faucibus elit cursus. Nunc vestibulum nunc ac massa  
 143 pretium pharetra. Nulla facilisis turpis id augue venenatis blandit. Cum sociis natoque  
 144 penatibus et magnis dis parturient montes, nascetur ridiculus mus.*

145 Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
 146 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit  
 147 amet neque.

## 148 4 Morbi eros magna

149 Morbi eros magna, vestibulum non posuere non, porta eu quam. Maecenas vitae orci risus,  
 150 eget imperdiet mauris. Donec massa mauris, pellentesque vel lobortis eu, molestie ac turpis.  
 151 Sed condimentum convallis dolor, a dignissim est ultrices eu. Donec consectetur volutpat  
 152 eros, et ornare dui ultricies id. Vivamus eu augue eget dolor euismod ultrices et sit amet nisi.  
 153 Vivamus malesuada leo ac leo ullamcorper tempor. Donec justo mi, tempor vitae aliquet non,

154 faucibus eu lacus. Donec dictum gravida neque, non porta turpis imperdiet eget. Curabitur  
 155 quis euismod ligula.

## 156 ——— References ———

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## 167 **A** Styles of lists, enumerations, and descriptions

168 List of different predefined enumeration styles:

169 ■ \begin{itemize}...\end{itemize}

170 ■ ...

171 ■ ...

172 1. \begin{enumerate}...\end{enumerate}

173 2. ...

174 3. ...

175 (a) \begin{alphaenumerate}...\end{alphaenumerate}

176 (b) ...

177 (c) ...

178 (i) \begin{romanenumerate}...\end{romanenumerate}

179 (ii) ...

180 (iii) ...

181 (1) \begin{bracketenumerate}...\end{bracketenumerate}

182 (2) ...

183 (3) ...

184 **Description 1** \begin{description} \item[Description 1] ... \end{description}

185 **Description 2** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.  
 186 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus  
 187 massa sit amet neque.

188 **Description 3** ...

189 Proposition 10 and Proposition 10 ...

## 190 **B** Theorem-like environments

191 List of different predefined enumeration styles:

192 ► **Theorem 7.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
 193 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa*  
 194 *sit amet neque.*

195 ► **Lemma 8.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
 196 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa*  
 197 *sit amet neque.*

198 ► **Corollary 9.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
 199 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa*  
 200 *sit amet neque.*

201 ► **Proposition 10.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo*  
 202 *dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus*  
 203 *massa sit amet neque.*

204 ► **Conjecture 11.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo*  
 205 *dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus*  
 206 *massa sit amet neque.*

207 ► **Observation 12.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et*  
 208 *leo dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus*  
 209 *massa sit amet neque.*

210 ► **Exercise 13.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo*  
 211 *dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus*  
 212 *massa sit amet neque.*

213 ► **Definition 14.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo*  
 214 *dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus*  
 215 *massa sit amet neque.*

216 ► **Example 15.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo*  
 217 *dui. Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus*  
 218 *massa sit amet neque.*

219 ► **Note 16.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
 220 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa*  
 221 *sit amet neque.*

222 ► **Note.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam*  
 223 *vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit*  
 224 *amet neque.*

225 ► **Remark 17.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
 226 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa*  
 227 *sit amet neque.*

228 ► **Remark.** *Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.*  
 229 *Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa*  
 230 *sit amet neque.*

231 ▷ **Claim 18.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.  
232 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa  
233 sit amet neque.

234 ▷ **Claim.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui.  
235 Nam vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa  
236 sit amet neque.

237 **Proof.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
238 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit  
239 amet neque. ◀

240 **Proof.** Fusce eu leo nisi. Cras eget orci neque, eleifend dapibus felis. Duis et leo dui. Nam  
241 vulputate, velit et laoreet porttitor, quam arcu facilisis dui, sed malesuada risus massa sit  
242 amet neque. ◀