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28/09/2006

Programação Funcional

LEI 1ºAno (2006/2007)

## Aula 1 (TP)

## Resolução de Exercícios

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1 (1)
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1)  $\{x \mid x \in A \land x \leq \text{mínimo (B)}\}\$ 

2)  $\{x \mid x \in A \land x \ge ((\Sigma A)/\#A)\}$ 

2

**(1)** 

- 1) [6,12,18]
- 2) [6,12,18]
- 3) [(10,20),(11,19),(12,18),(13,17),(14,16),(15,15),(16,14),(17,13),(18,12),(19,11),(20,10)]
- 4) [1,1,4,4,9,9,16,16,25,25]

**(2)** 

- 1) [2^x|x<-[0..10]
- 2) [(x,y)|x<-[1..5],y<-[1..5],x+y==6] (..ou então,) [(x,6-x)|x<-[1..5]]
- 3) [x|x<-[1..a]|a<-[1..5]]
- 4) [1|a<-[1..x]|x<-[1..5]]
- 5) [product[1..a]|a<-[1..6]]