

Estados Contínuos

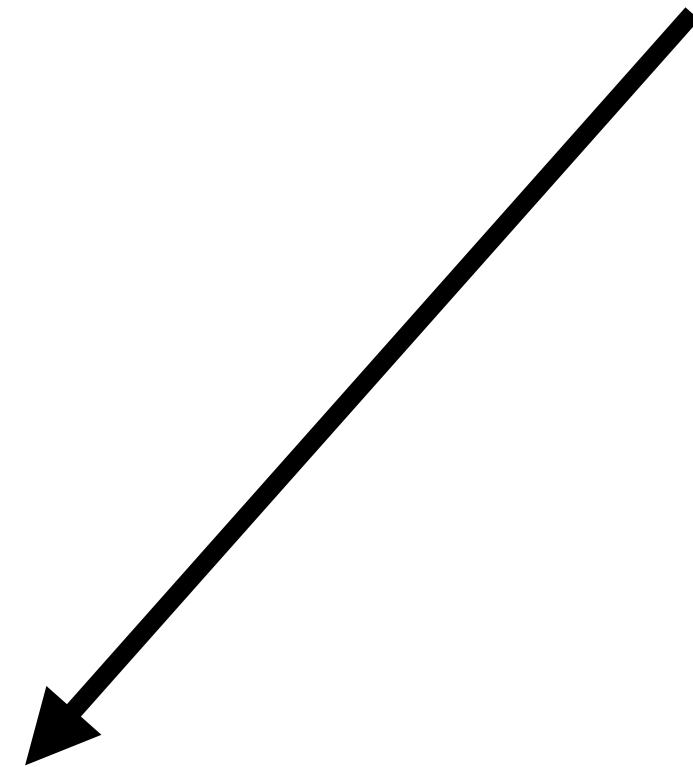
Introdução

- Começaremos na prática:

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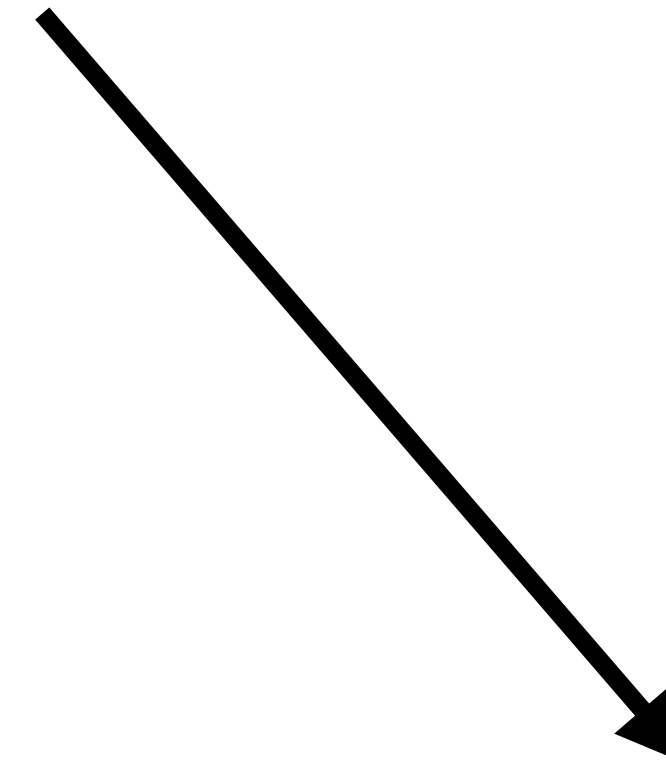
Introdução

- Como resolver tarefas com estados infinitos?



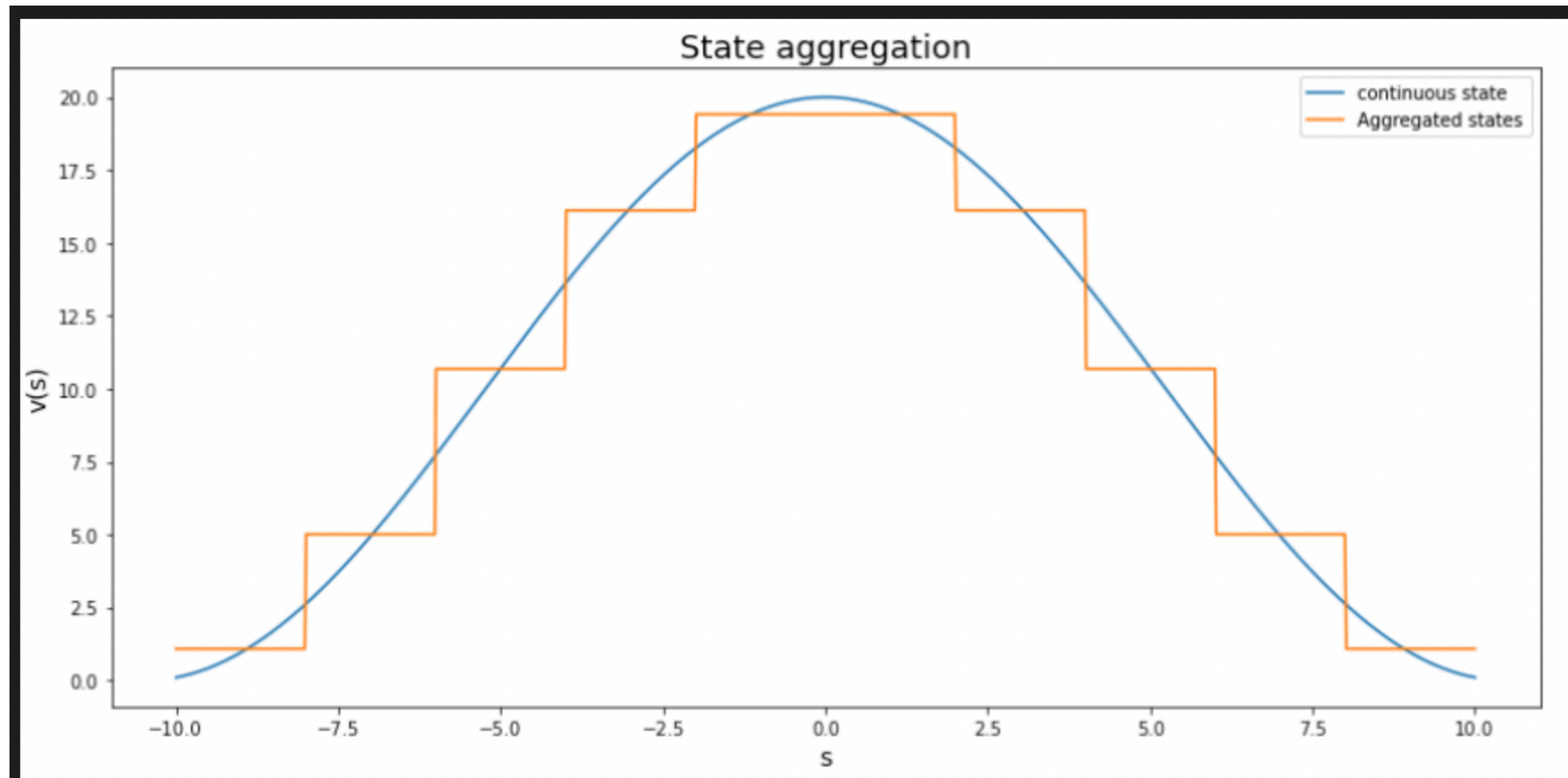
Discretizar os estados

- Agregação de estados
- Tile Coding

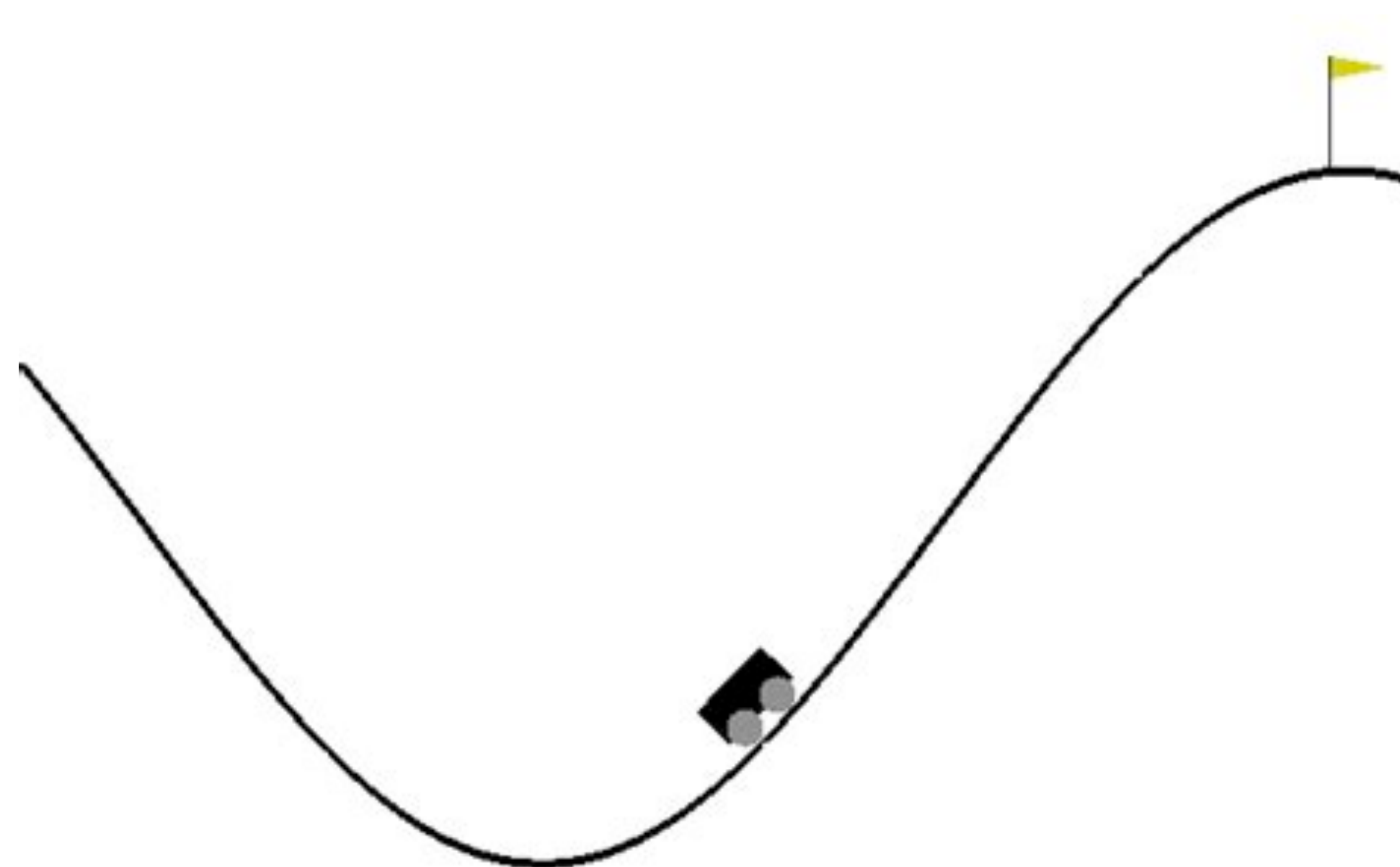


Usar outros algoritmos

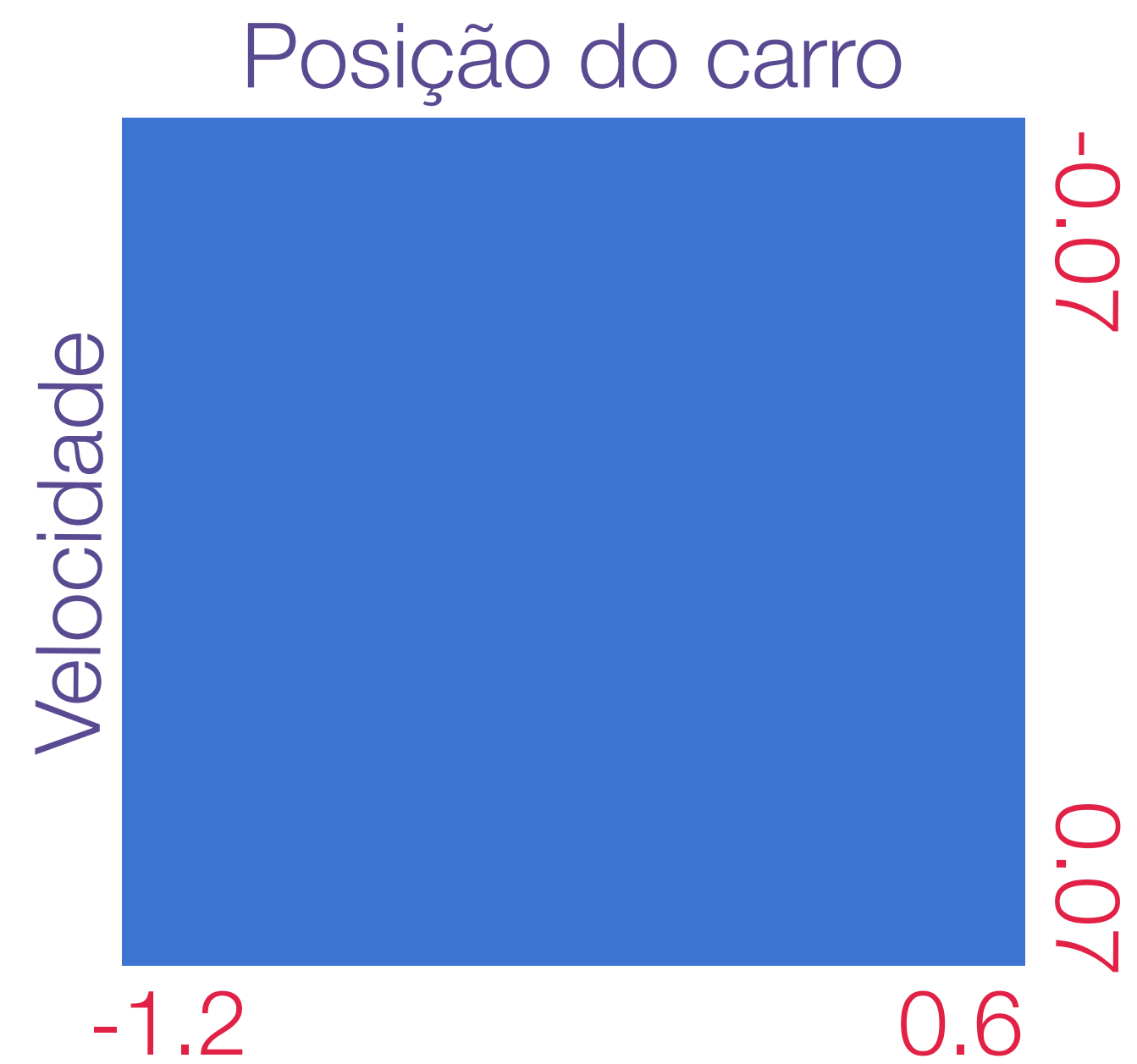
Agregação de Espaços



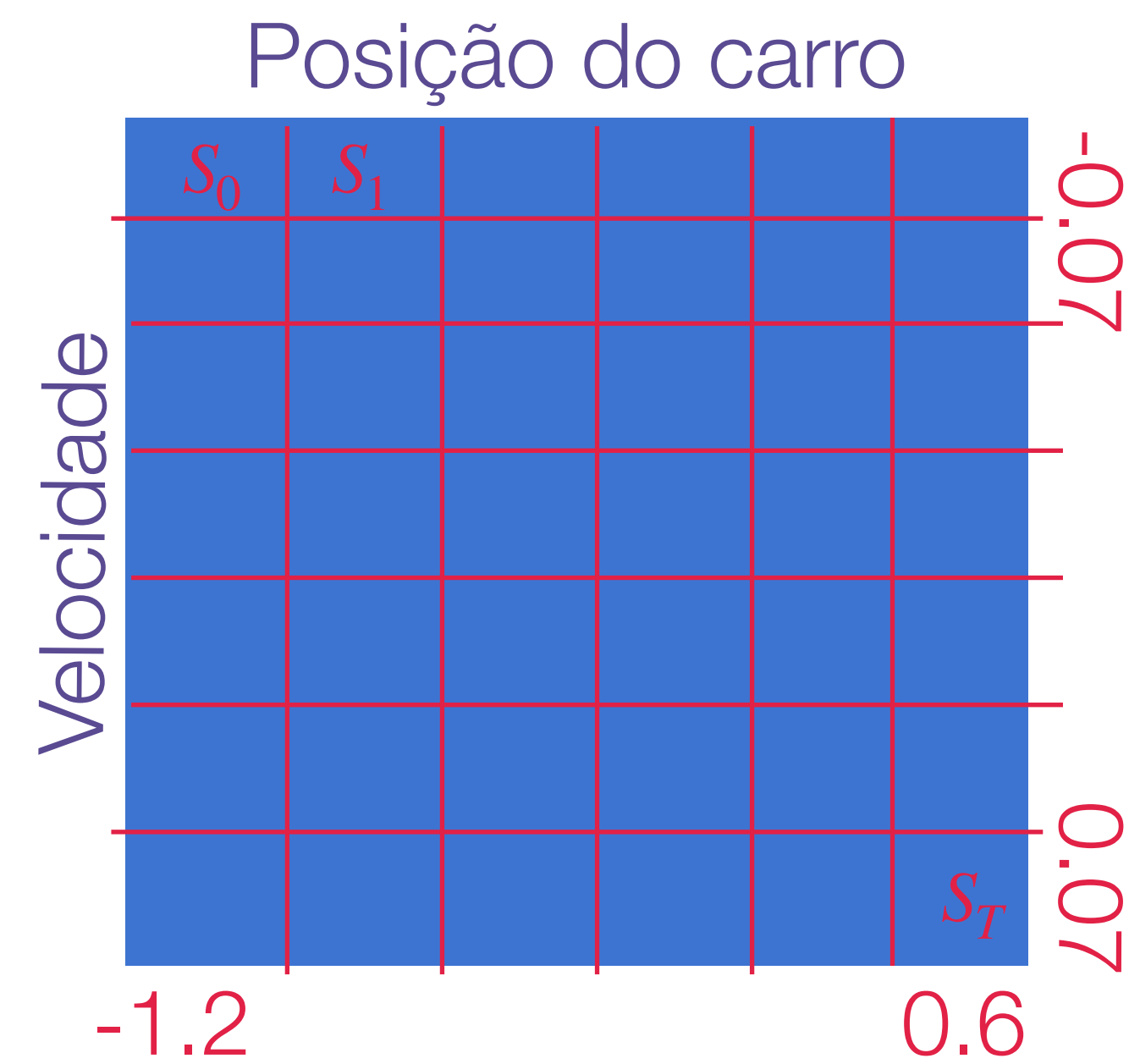
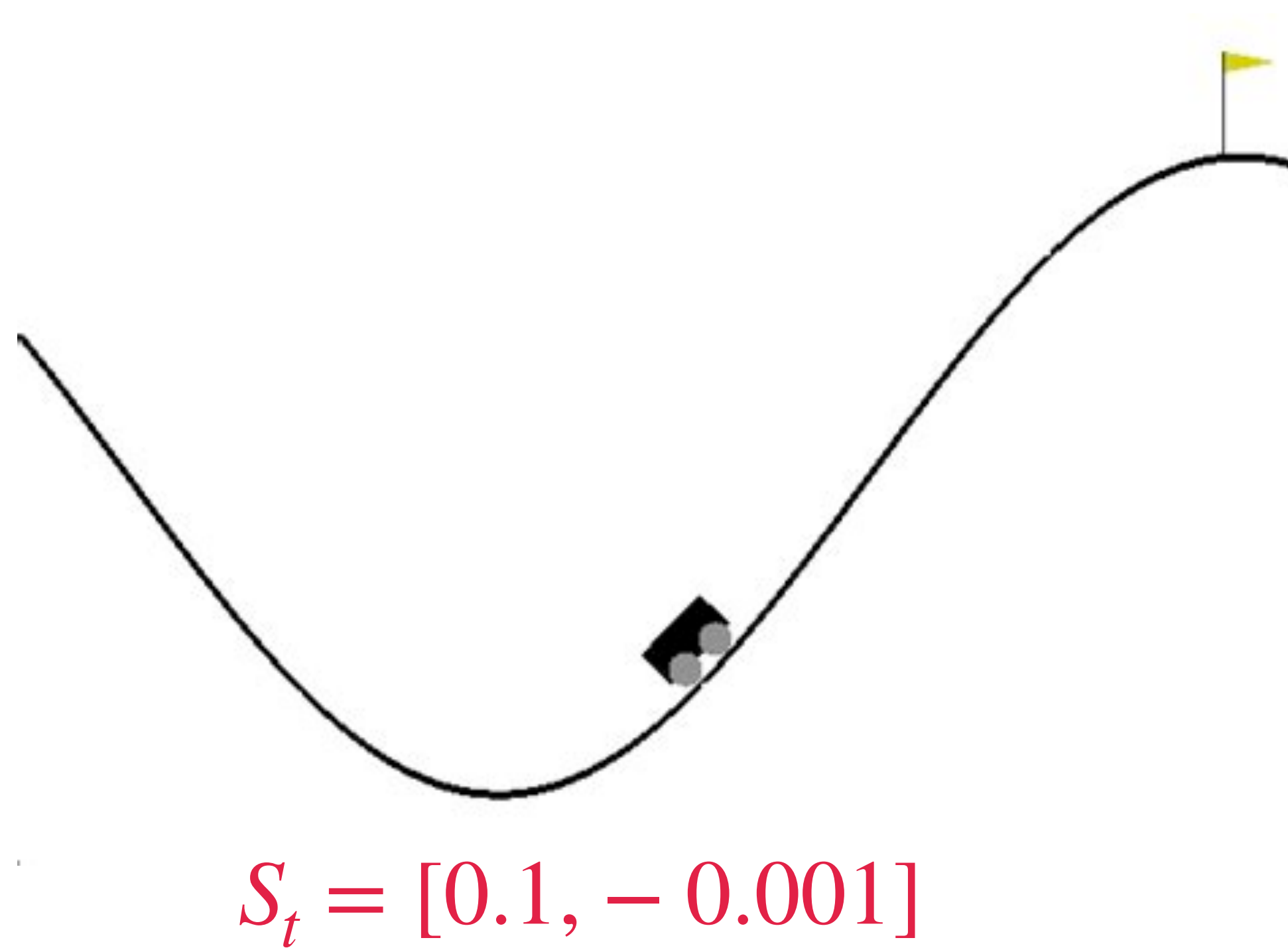
Agregação de Espaços 2D



$$S_t = [0.1, -0.001]$$



Agregação de Espaços 2D

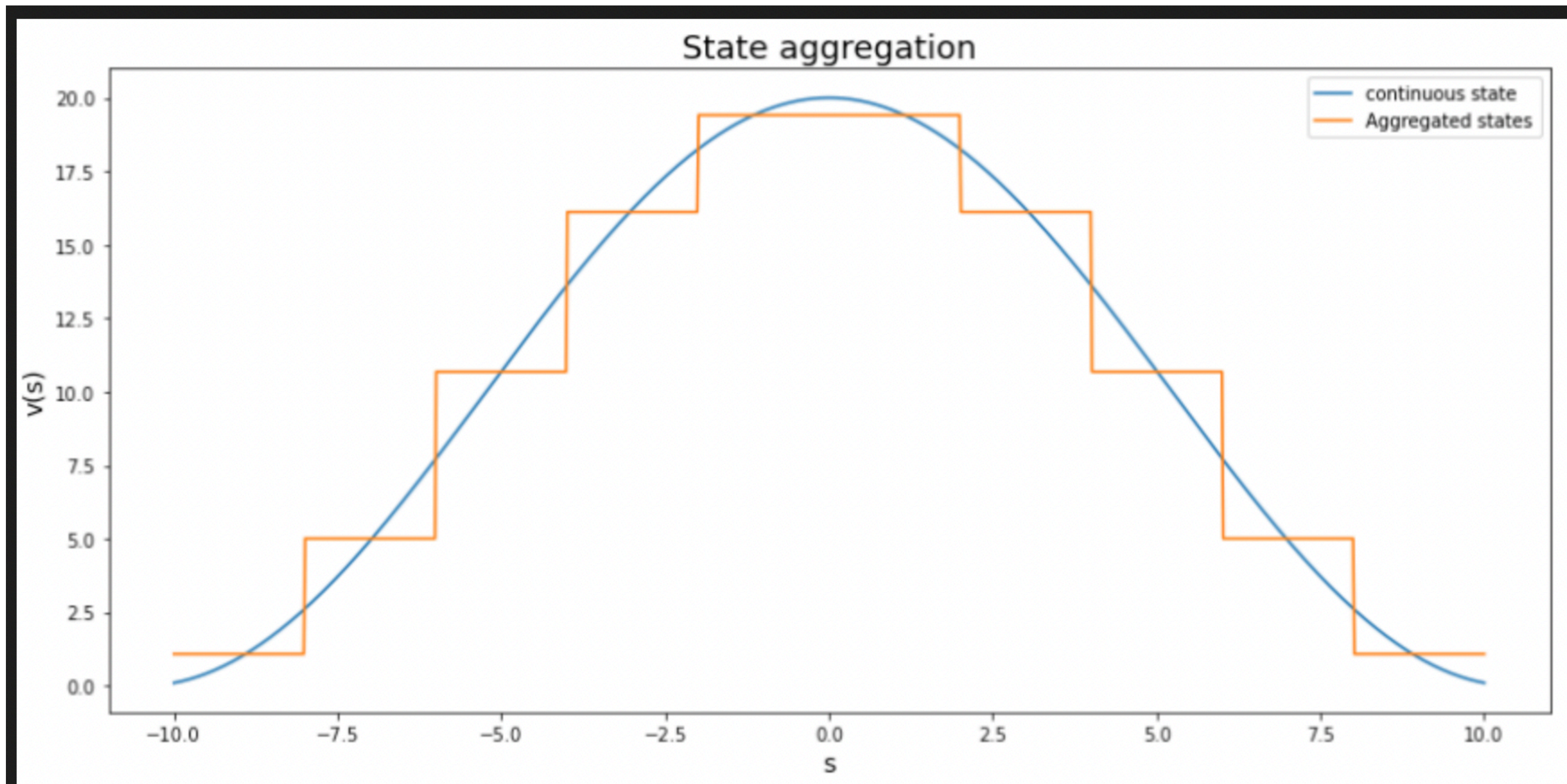


Agregação de Espaços

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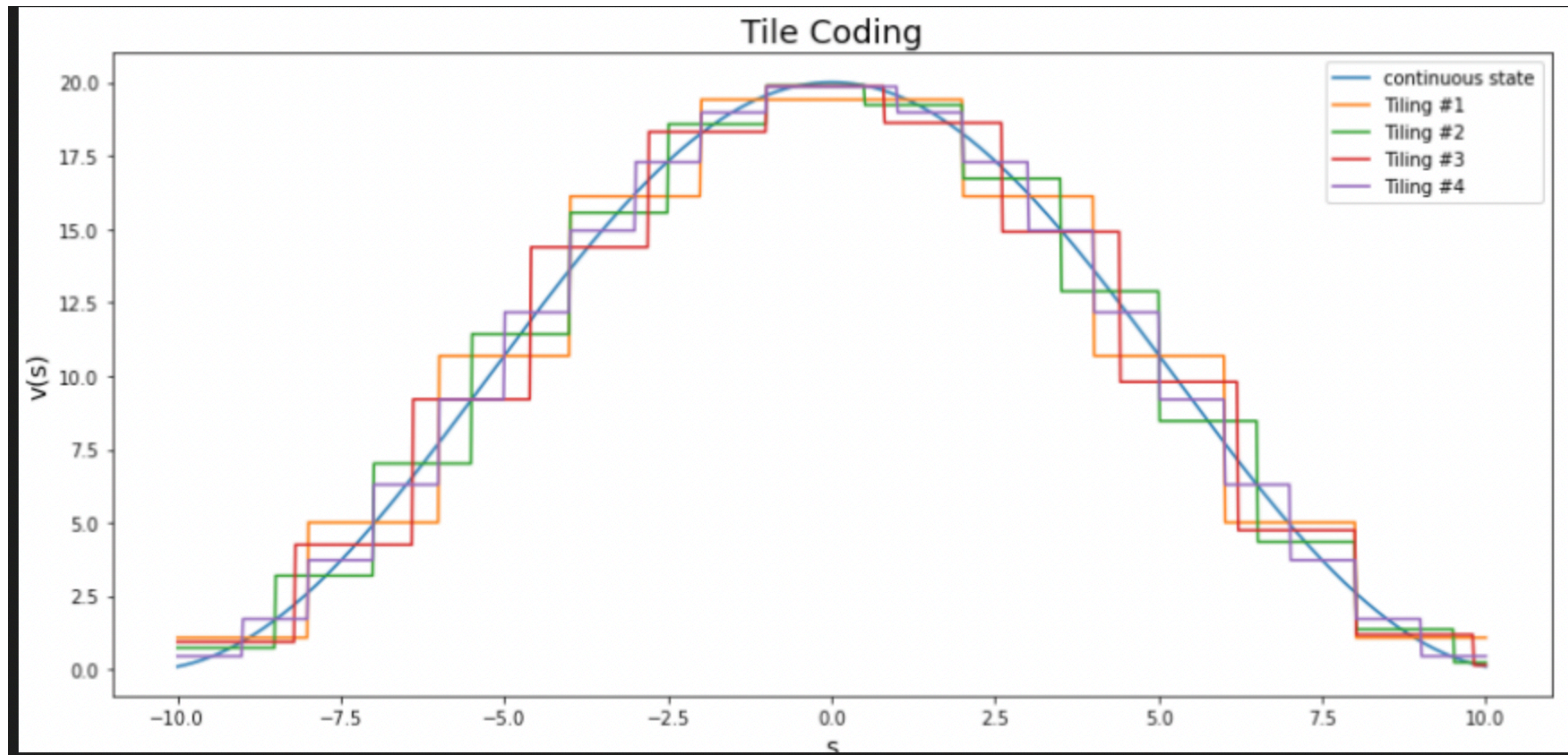
Tile Coding

Perda de precisão

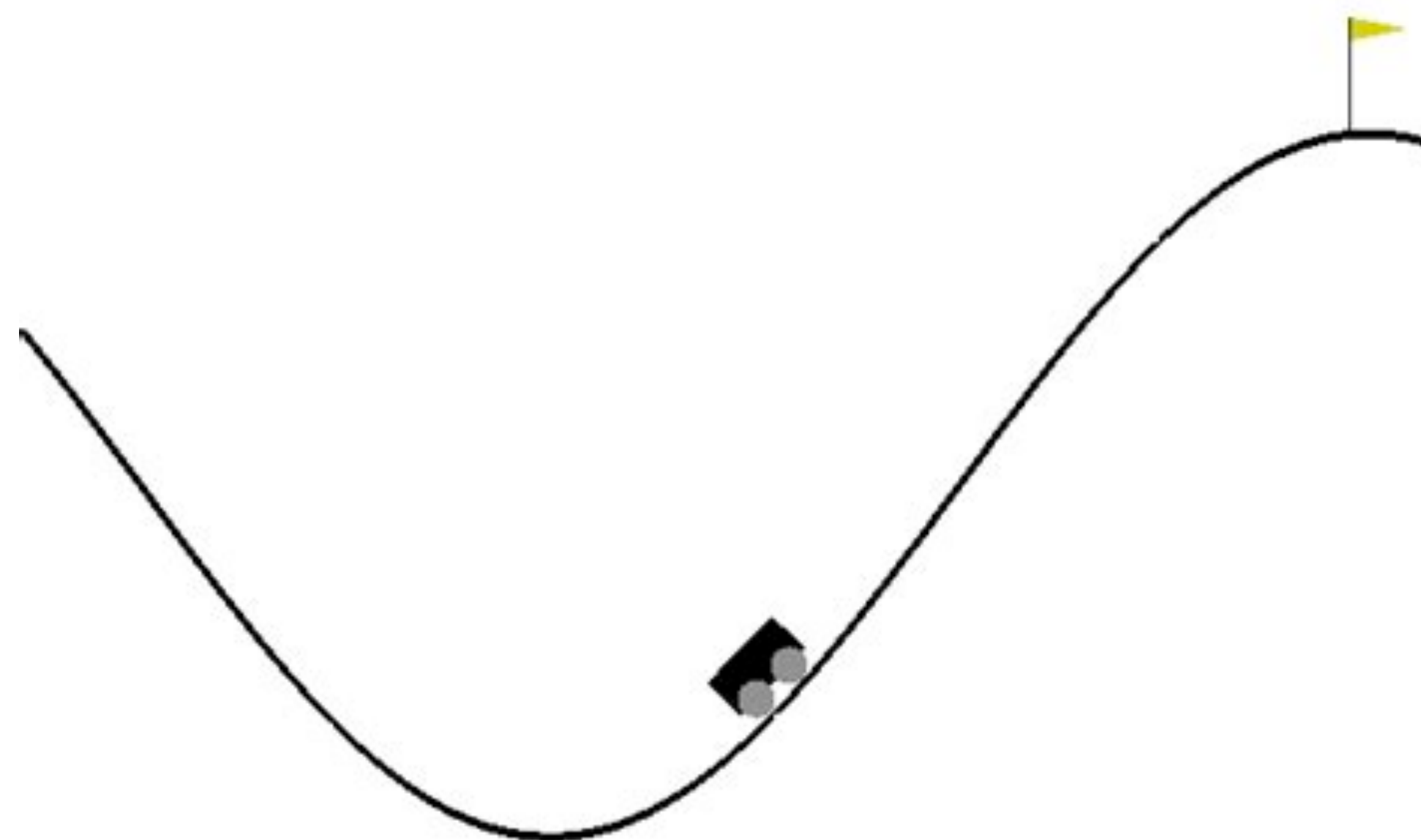


Tile Coding

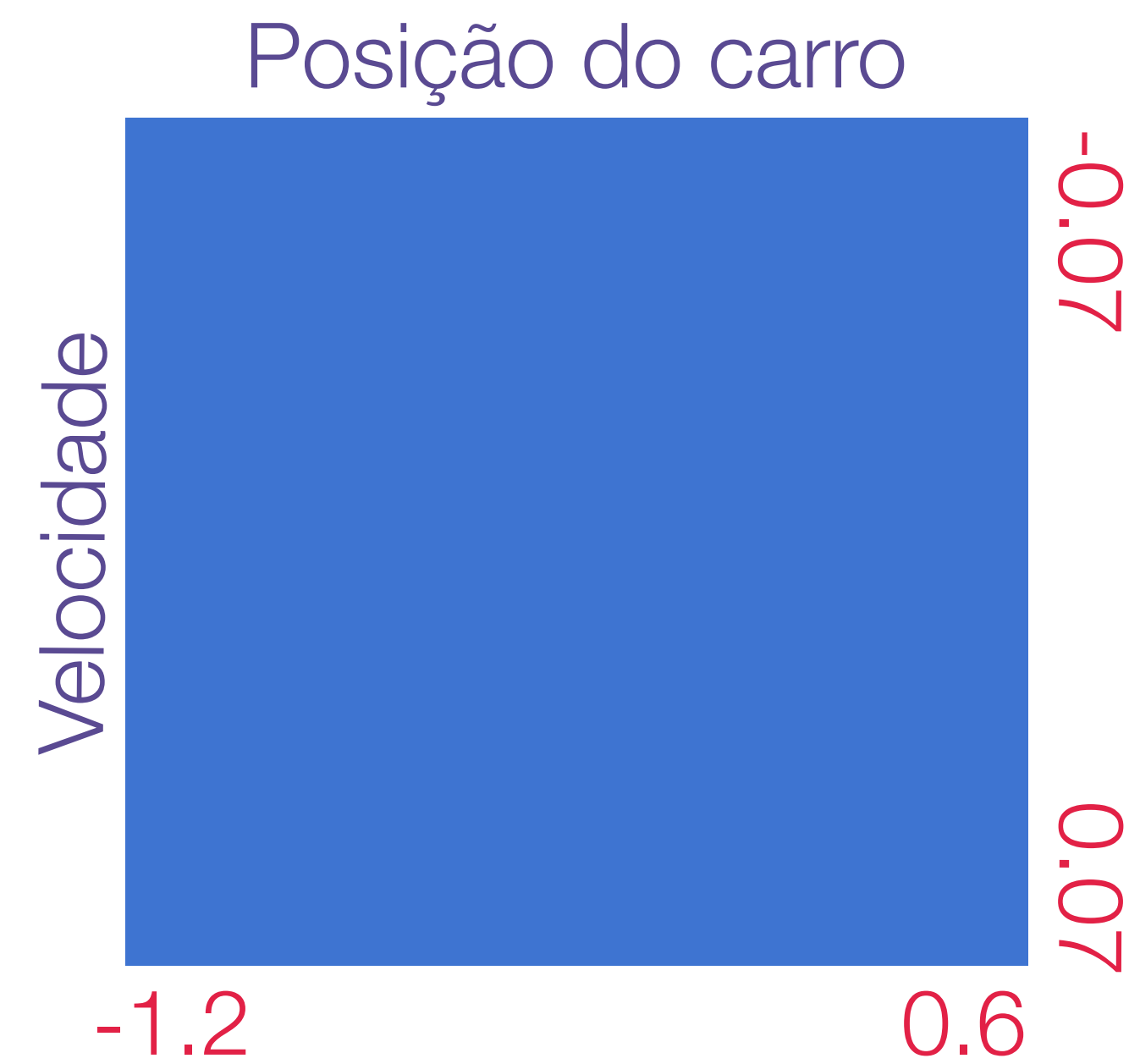
Agregação de diferentes valores



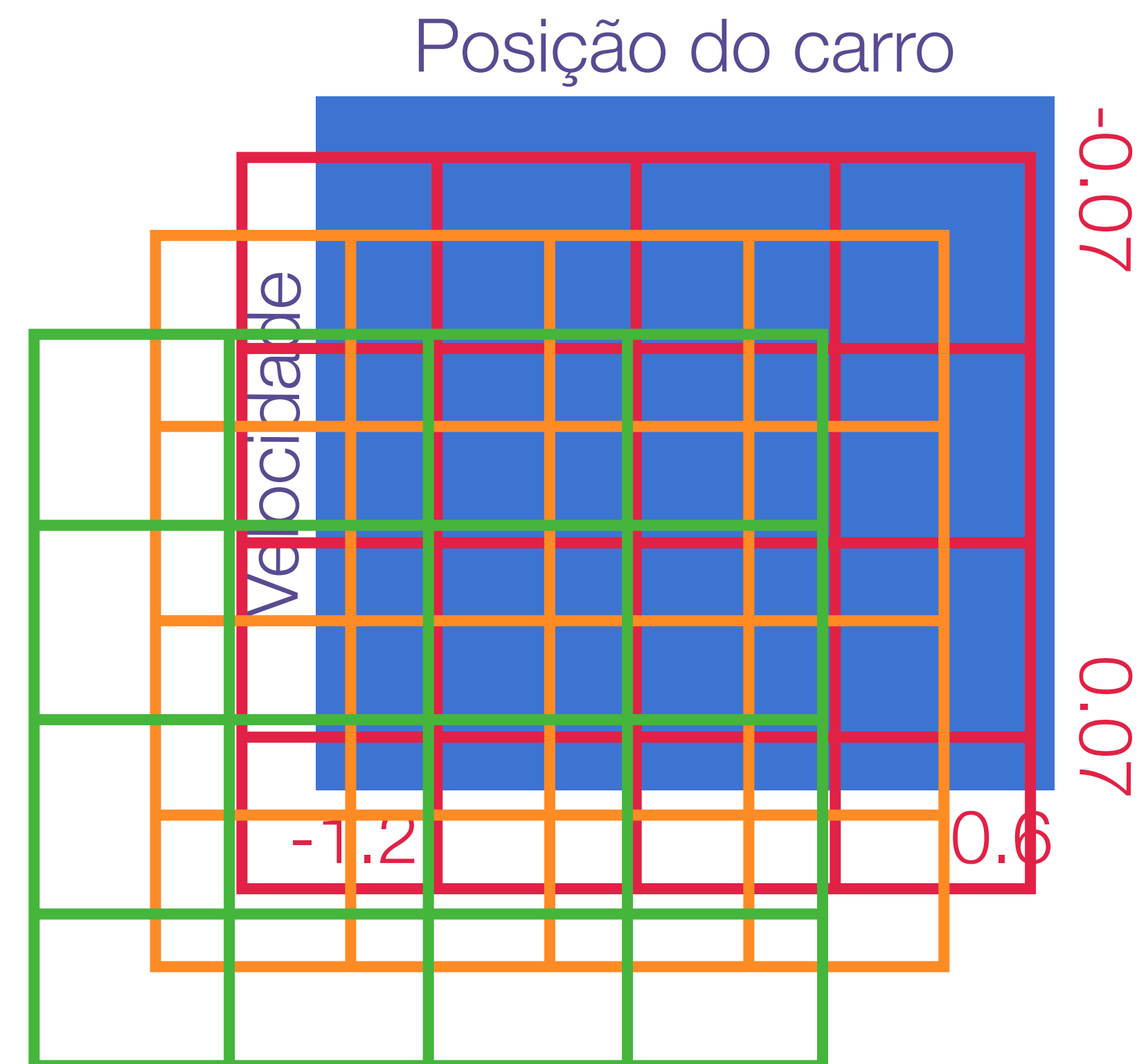
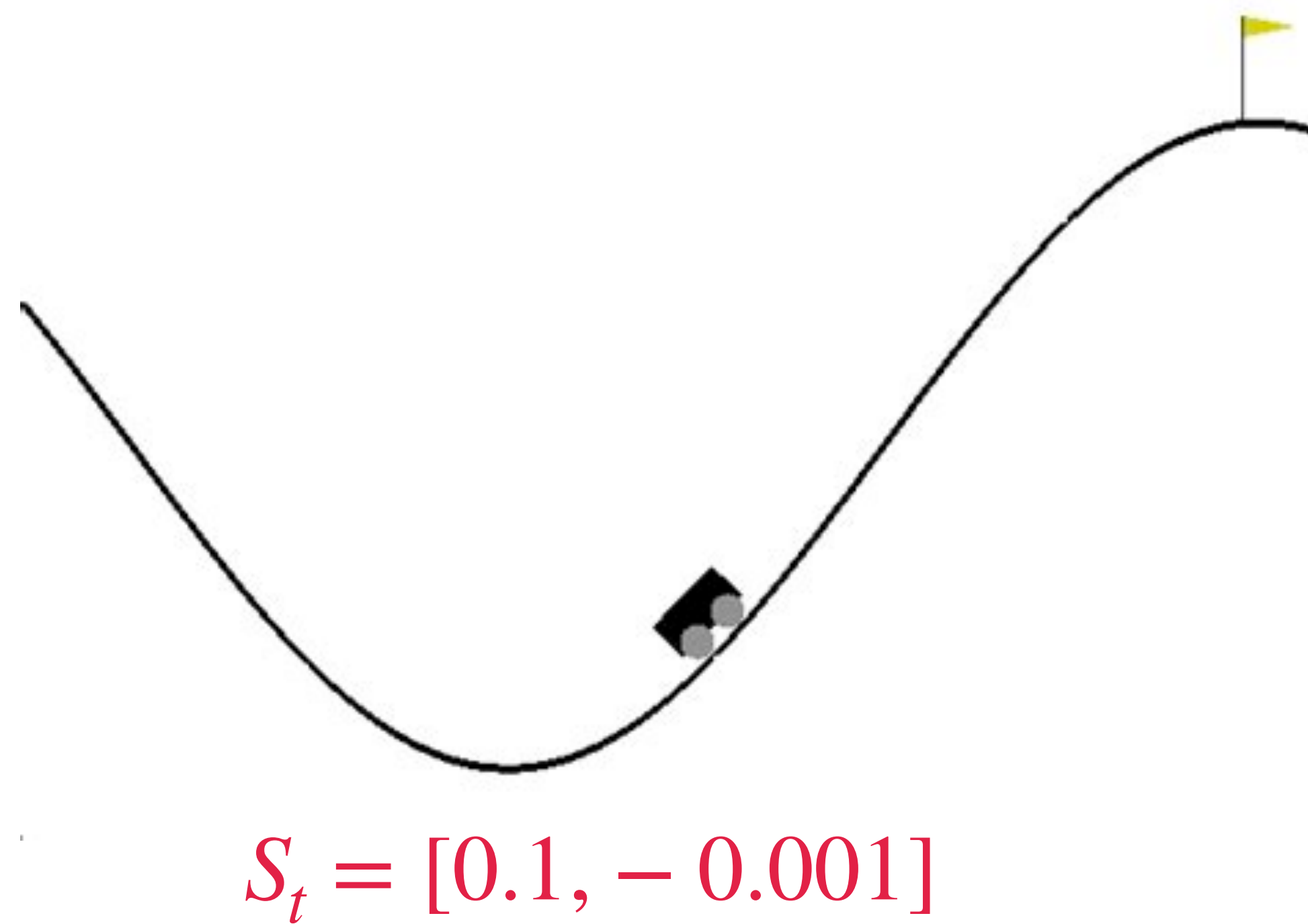
Tile Coding em Espaços 2D



$$S_t = [0.1, -0.001]$$

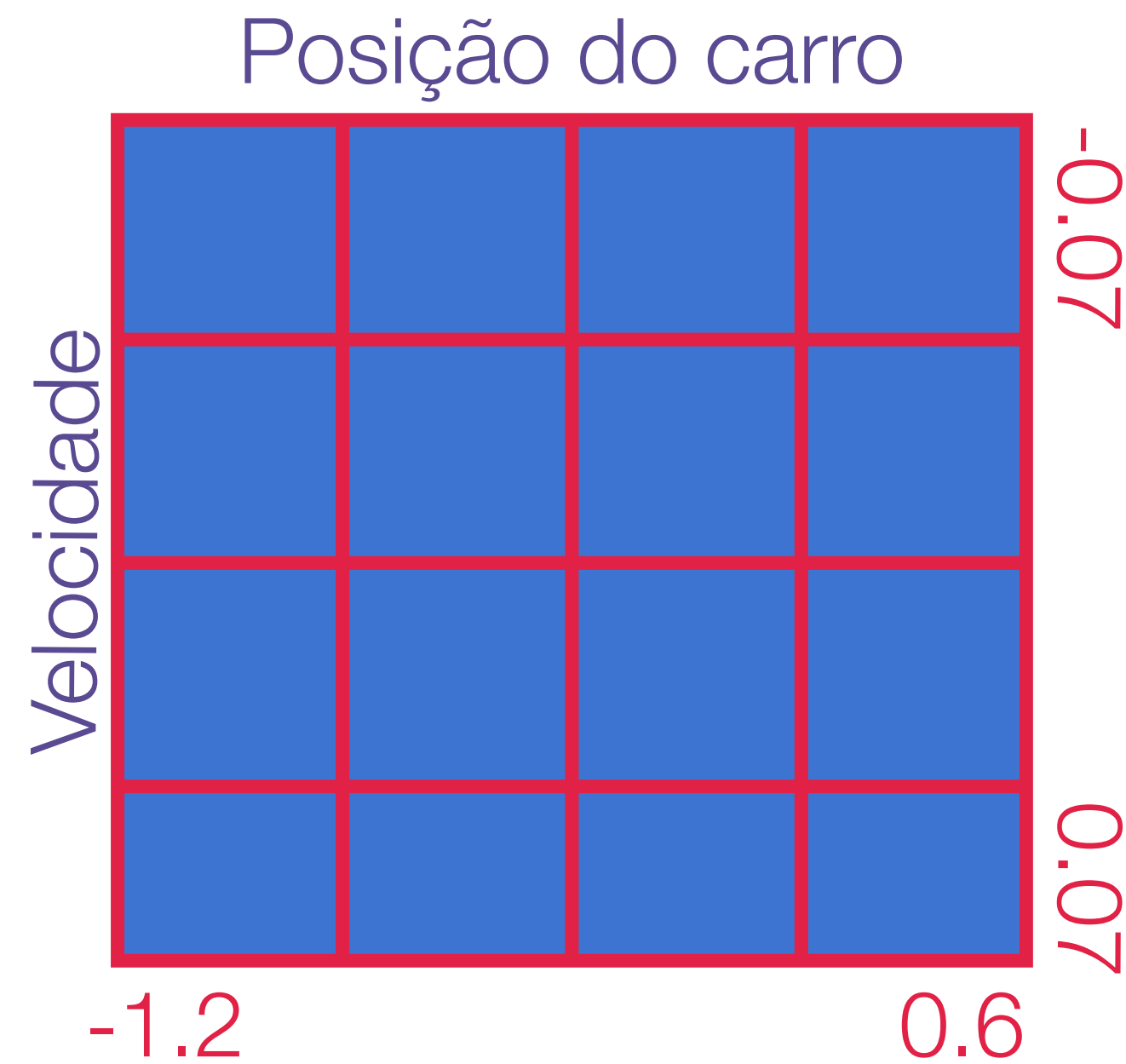


Tile Coding em Espaços 2D



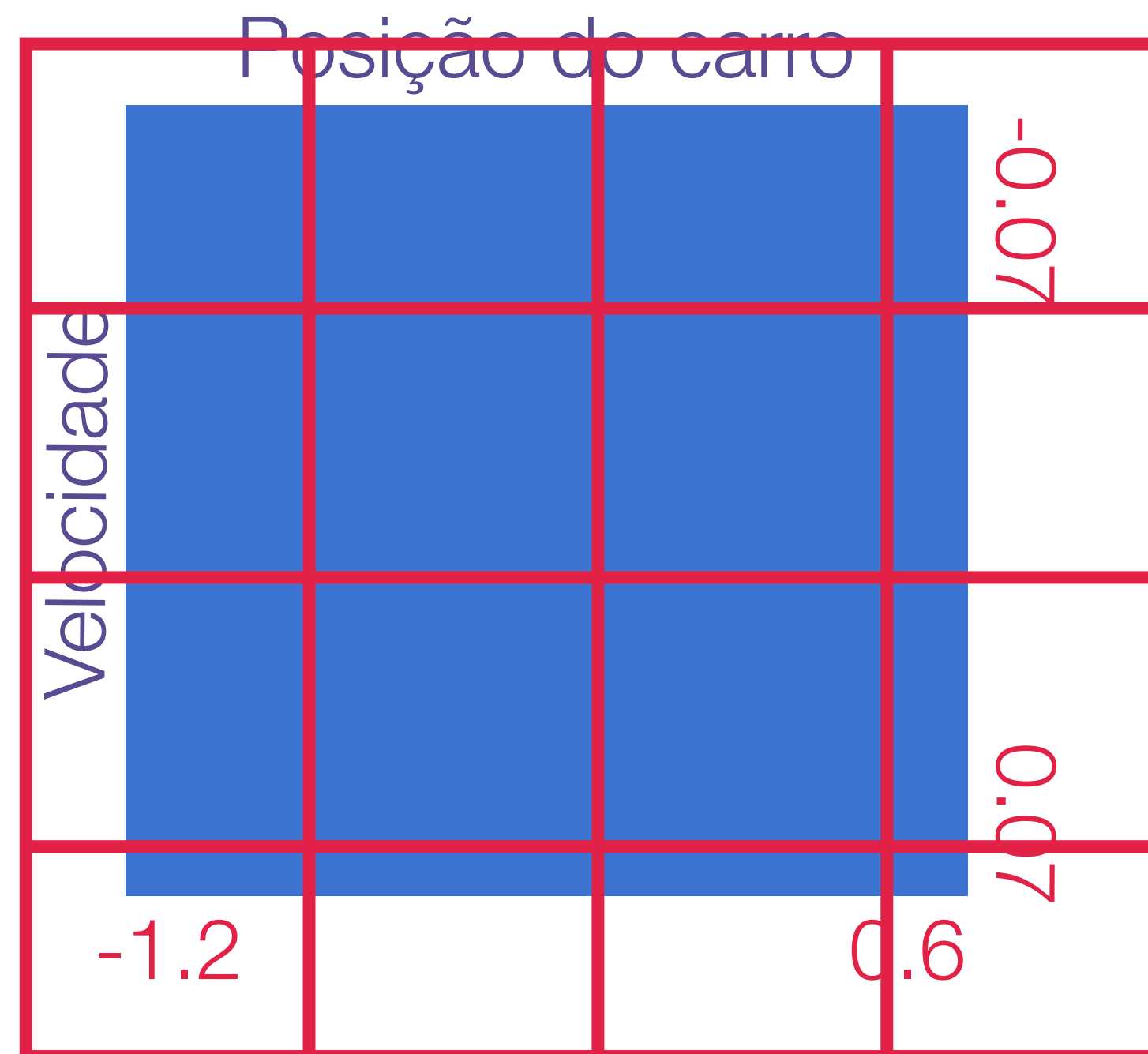
Tile Coding em Espaços 2D- Criação

1- Divida cada dimensão de estado em segmentos



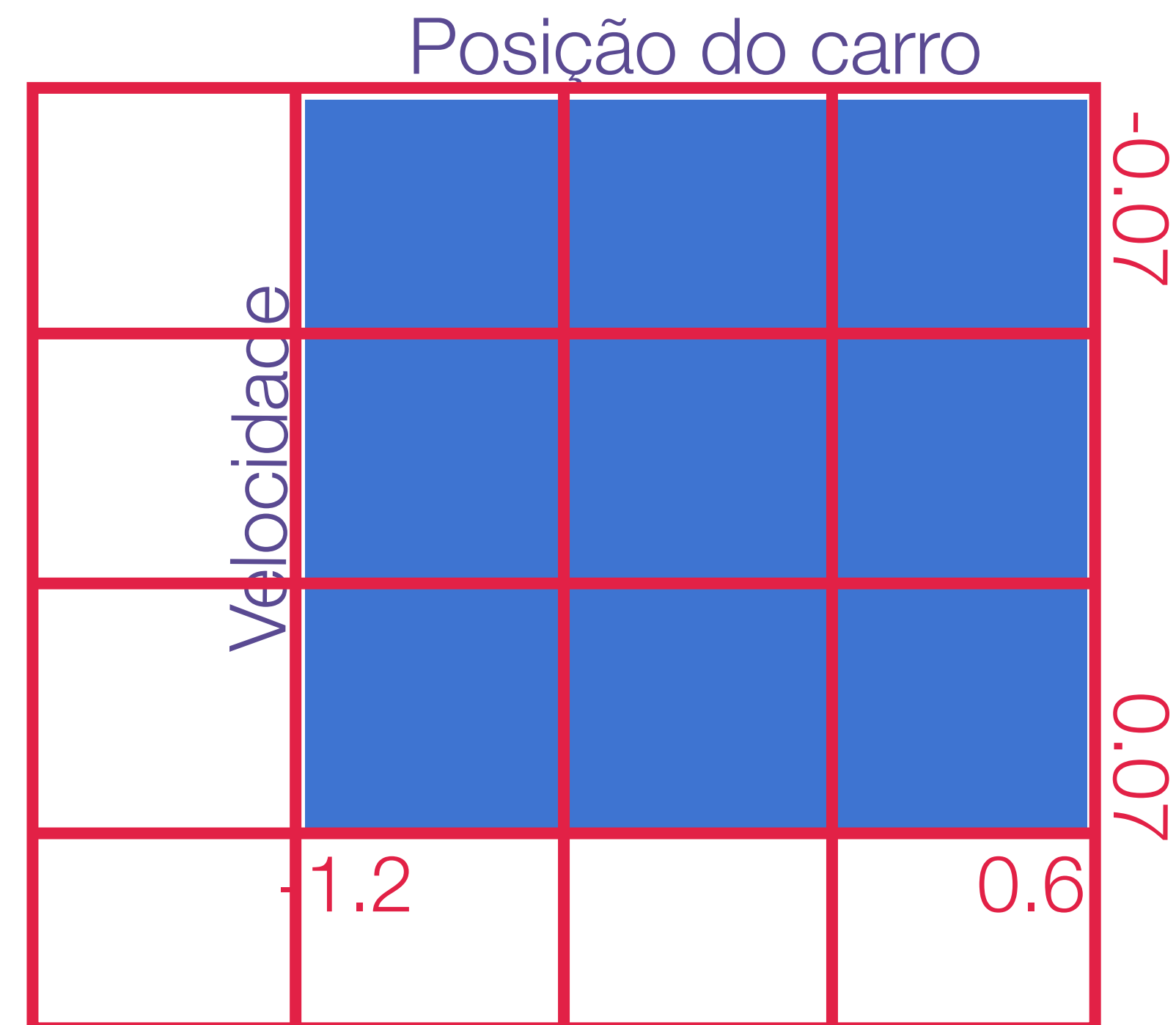
Tile Coding em Espaços 2D- Criação

2- Expanda ou Diminua o intervalo de valores



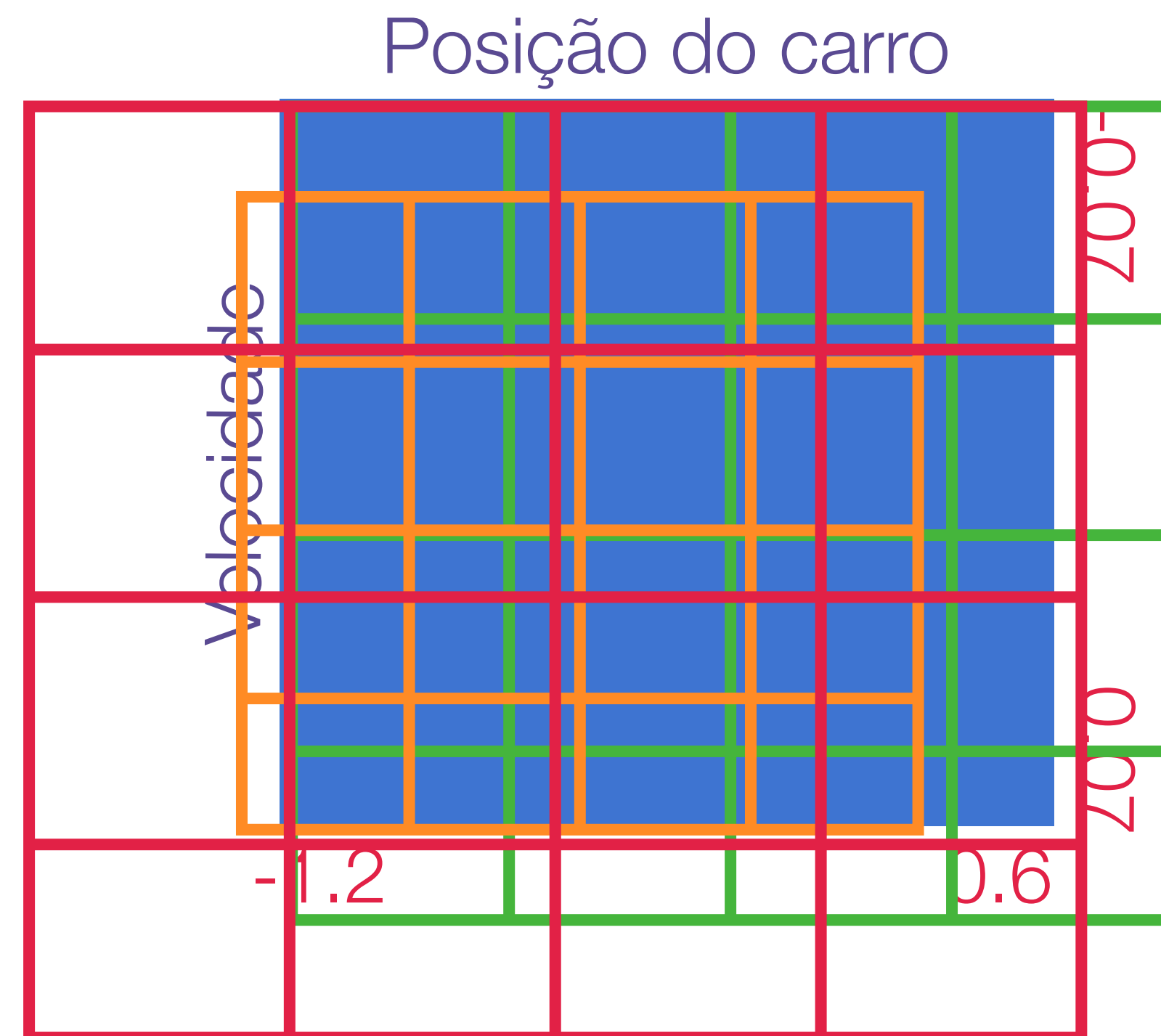
Tile Coding em Espaços 2D- Criação

3- Translade os segmentos



Tile Coding em Espaços 2D- Criação

4- Repita n vezes



Tile Coding

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