

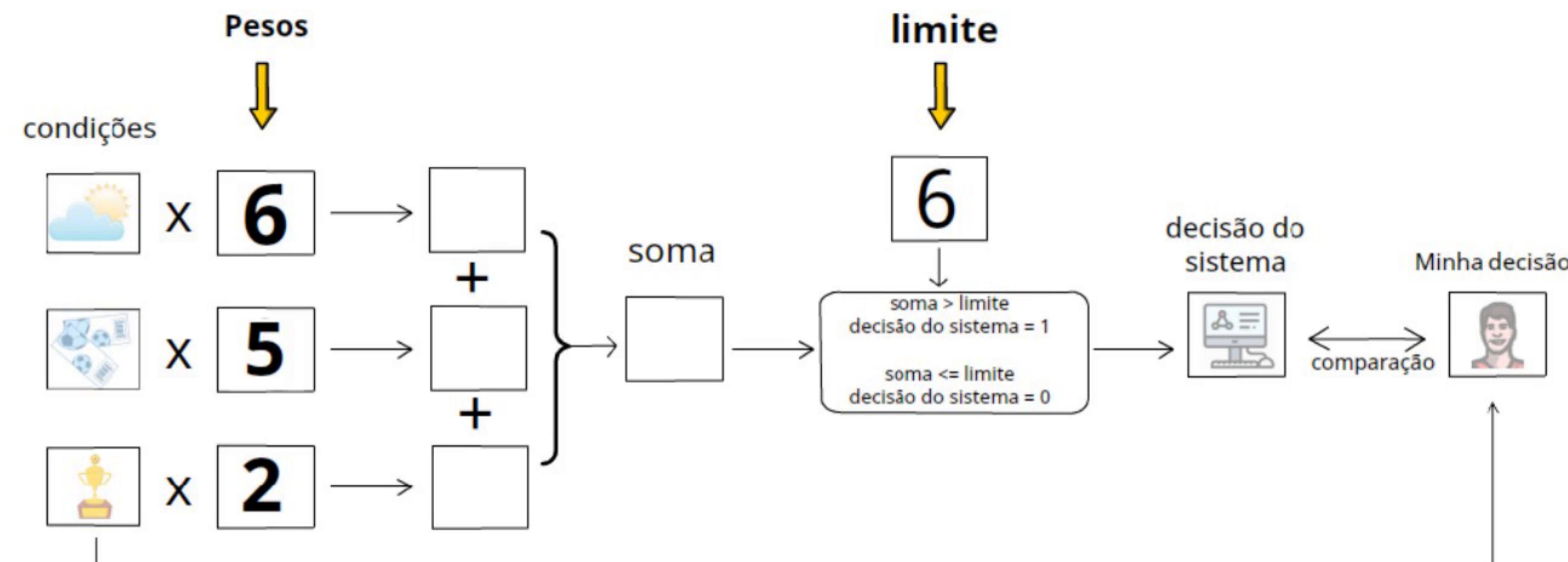
Deep Learning

Prof. Silvio R. R. Sanches

silviosanches@utfpr.edu.br



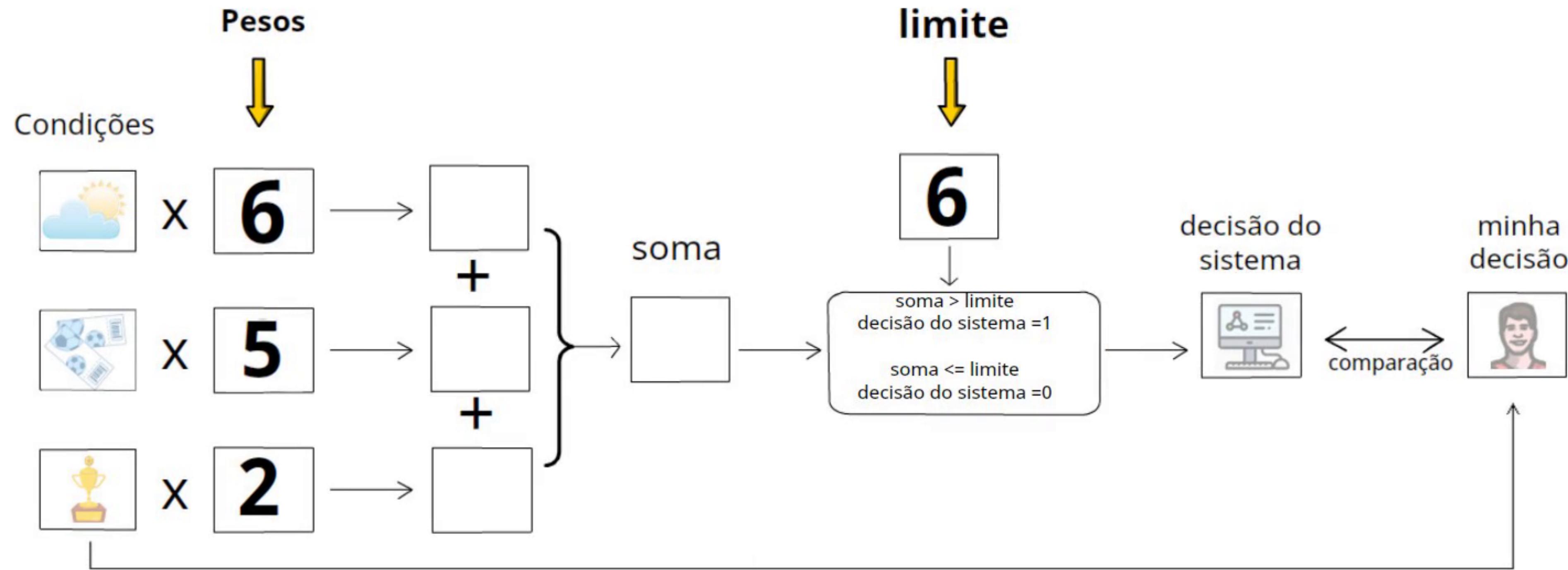
Definimos uma estrutura e estimamos valores de pesos e limite

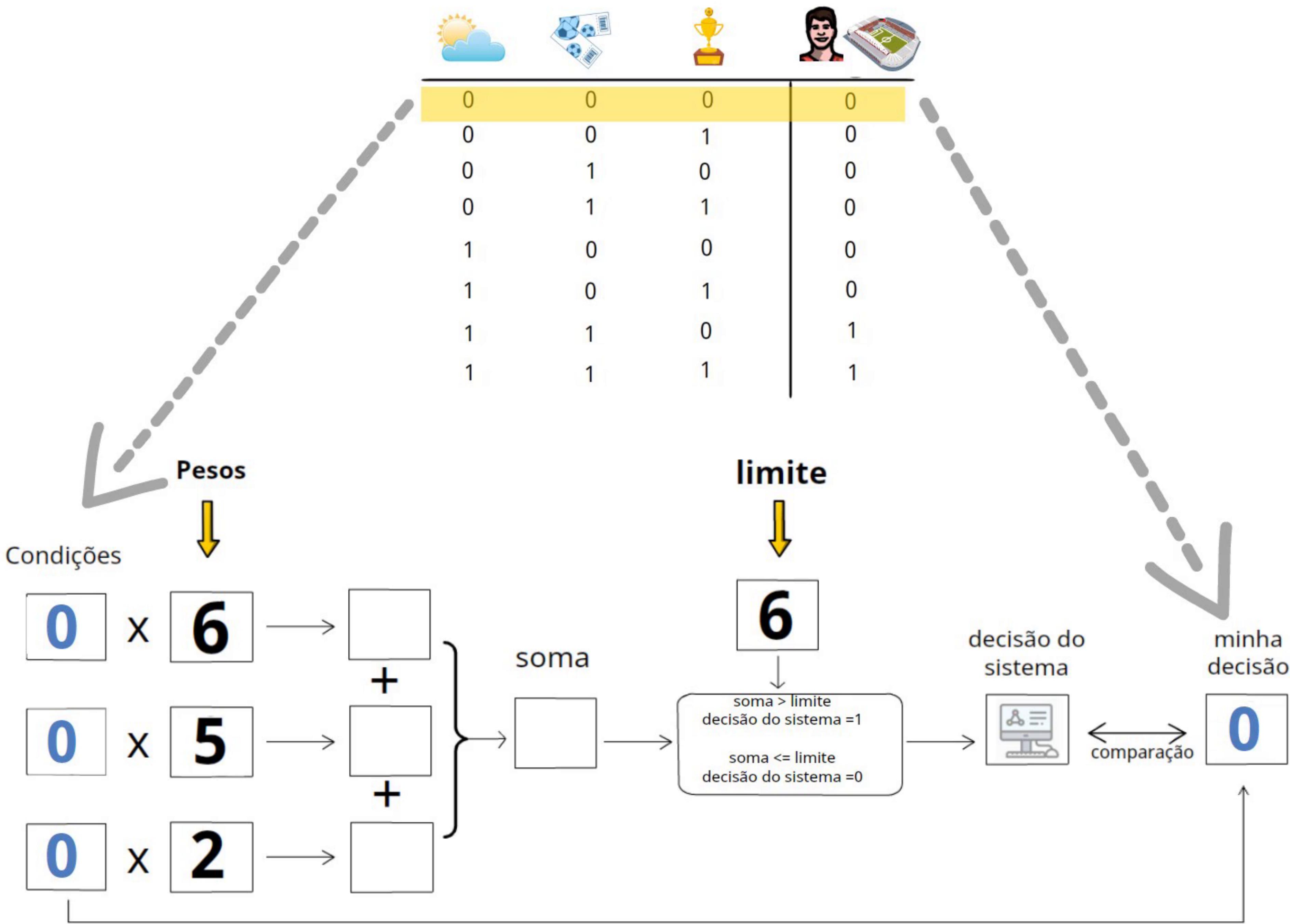


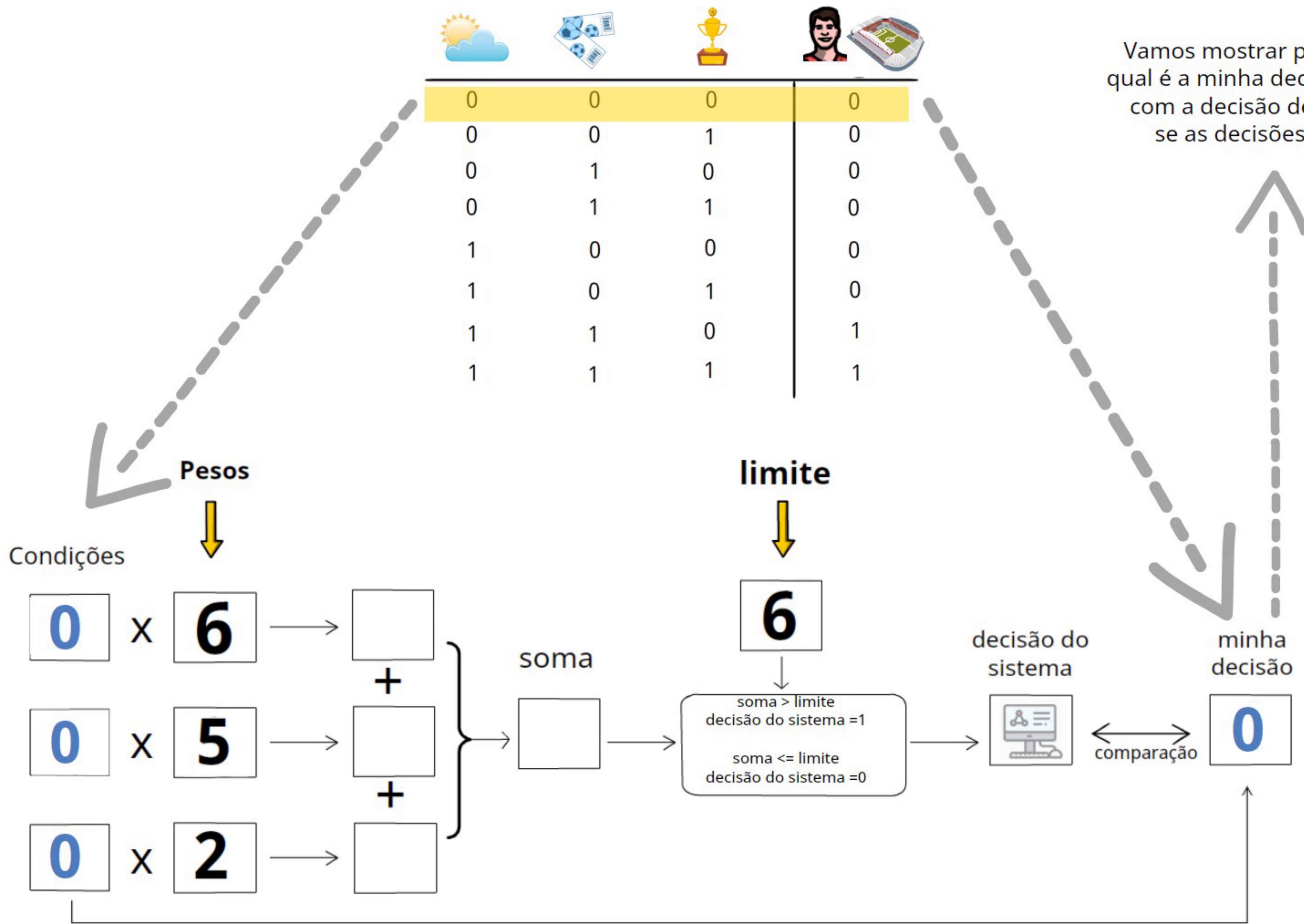
Vamos agora verificar se, utilizando os valores de parâmetros que definimos, podemos usar a estrutura para tomar decisões acertadas para cada combinação de condições



0	0	0	0	0
0	0	1	0	0
0	1	0	0	0
0	1	1	0	0
1	0	0	0	0
1	0	1	0	0
1	1	0	0	1
1	1	1	0	1



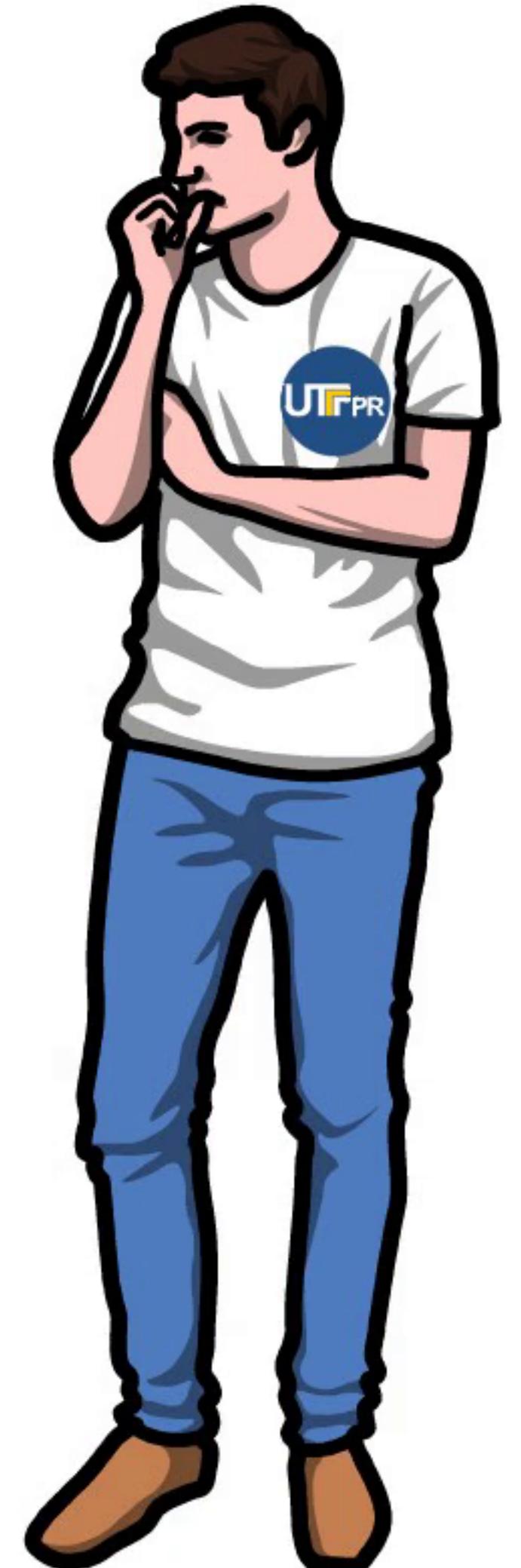


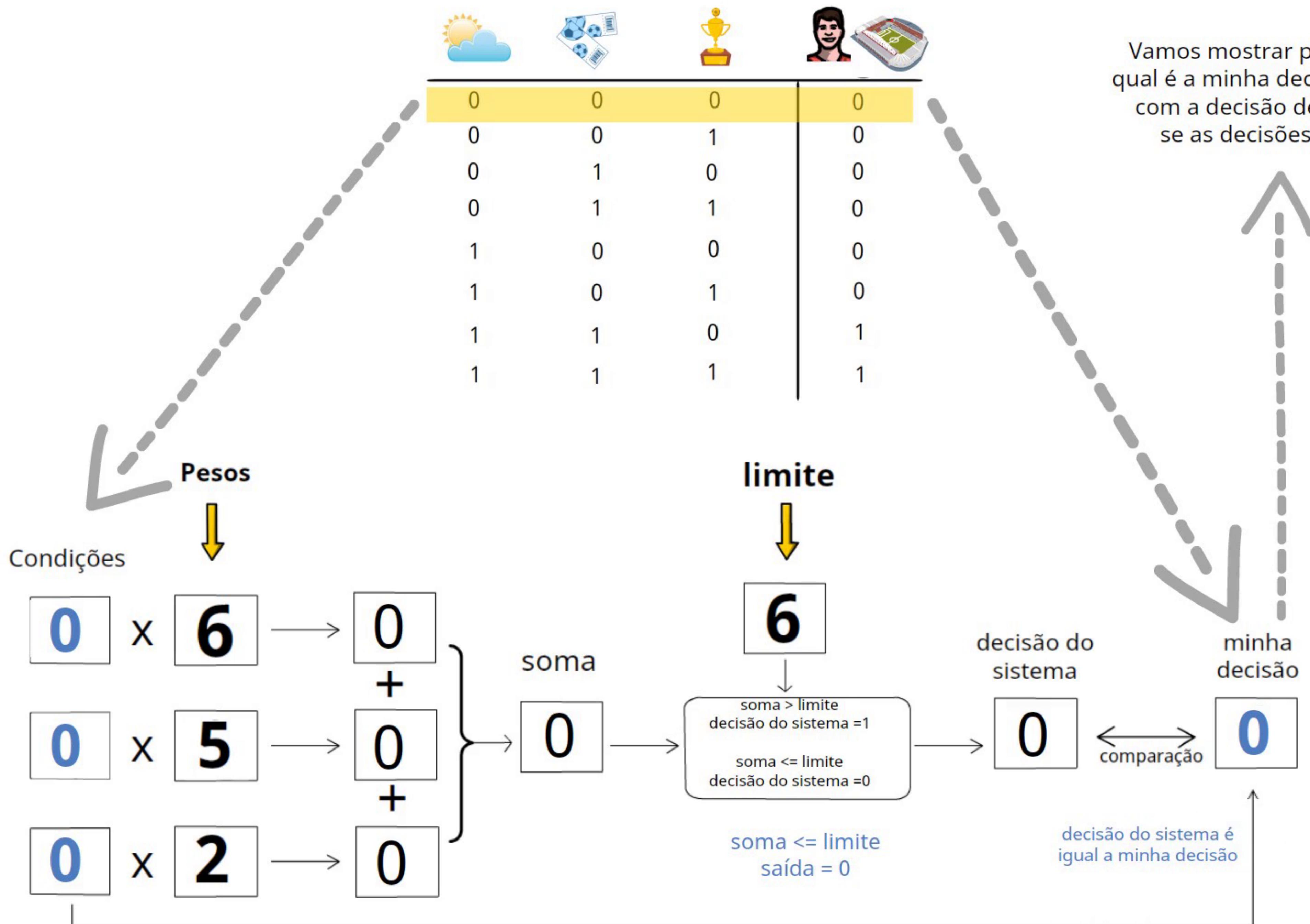


Estamos utilizando

APRENDIZADO SUPERVISIONADO

Os dados apresentados ao sistema possuem rótulos



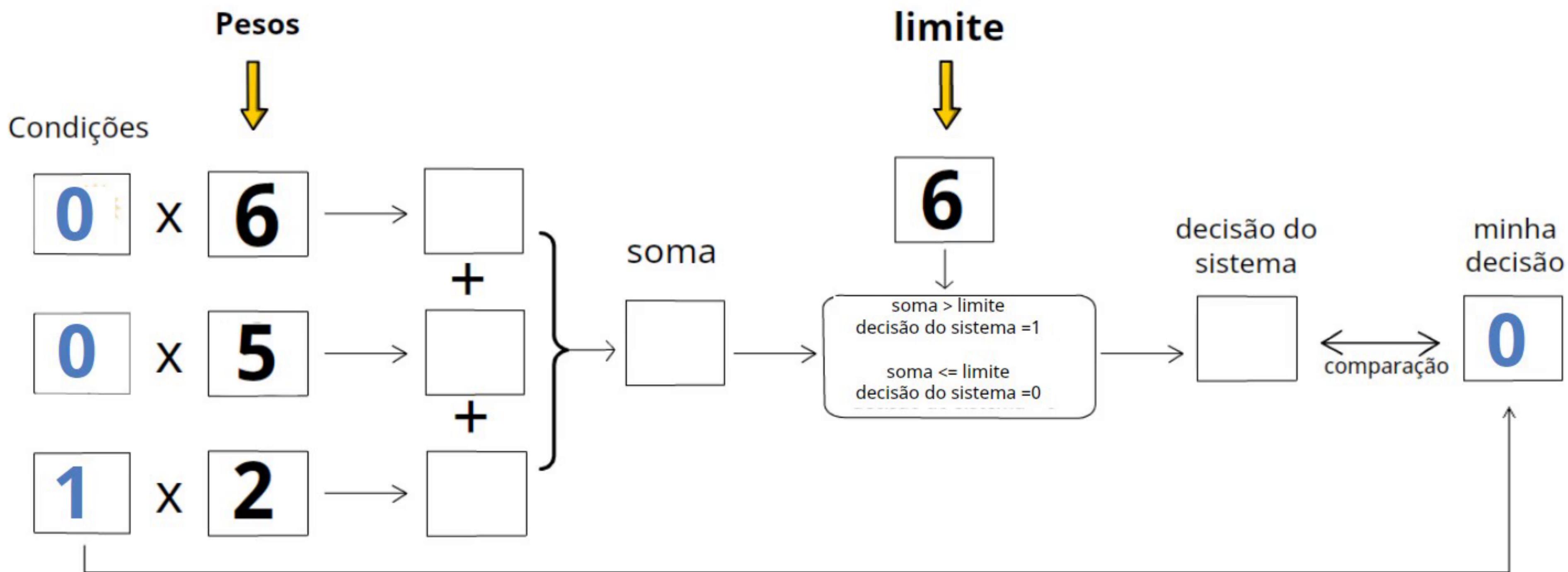




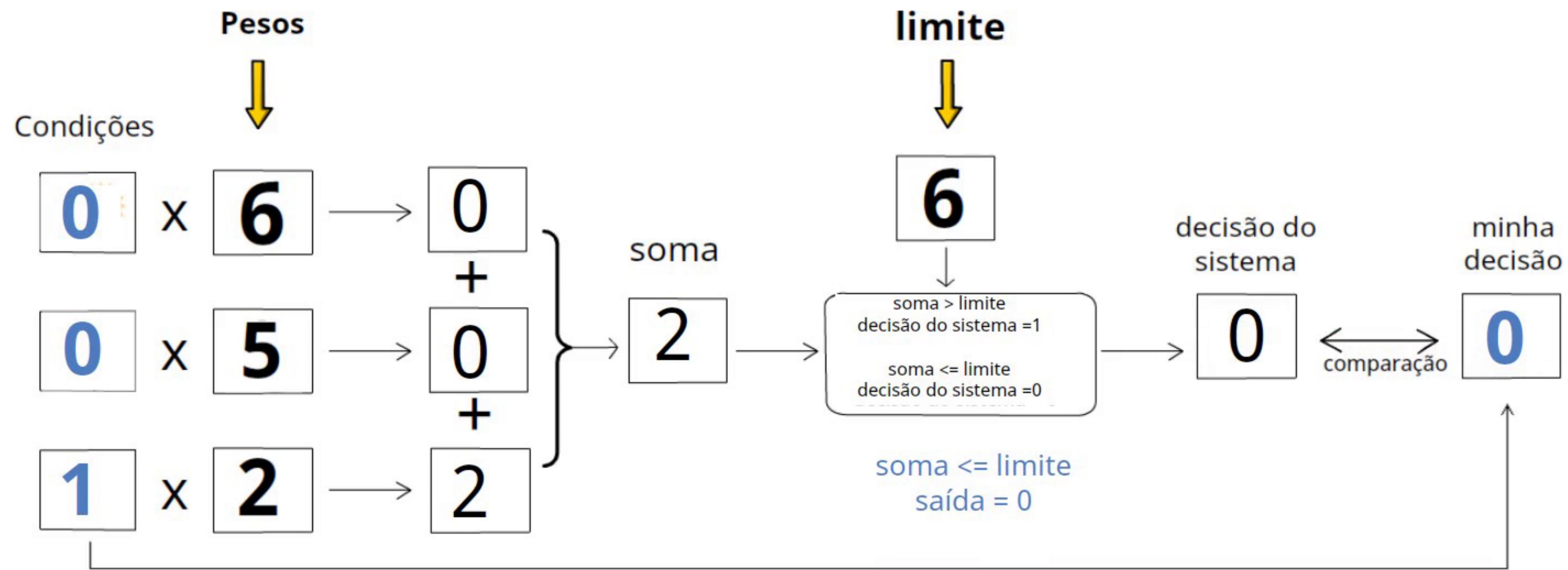
0	0	0	0	✓
0	0	1	0	
0	1	0	0	
0	1	1	0	
1	0	0	0	
1	0	1	0	
1	1	0	1	
1	1	1	1	

0	0	0	0	0
0	0	1	0	0
0	1	0	0	0
0	1	1	0	0
1	0	0	0	0
1	0	1	0	0
1	1	0	0	1
1	1	1	0	1

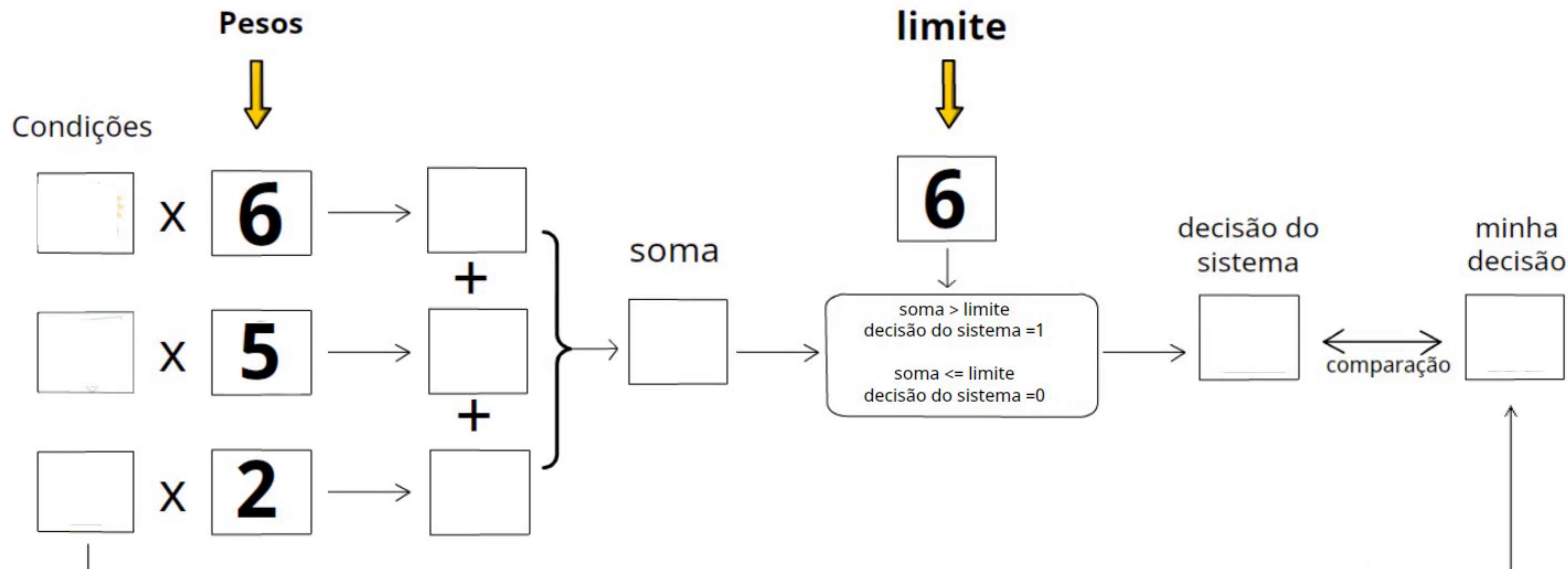
próxima condição



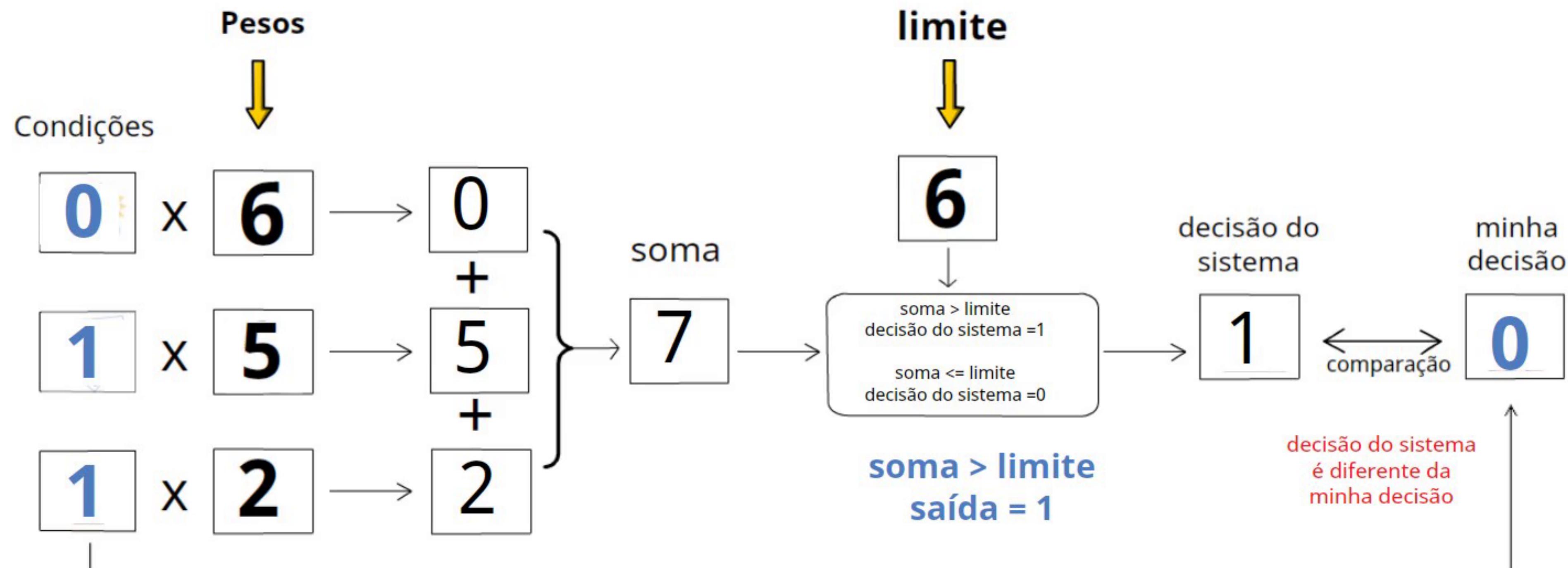
0	0	0	0	
0	0	1	0	✓
0	1	0	0	
0	1	1	0	
1	0	0	0	
1	0	1	0	
1	1	0	1	
1	1	1	1	



0	0	0	0	0
0	0	1	0	0
0	1	0	0	0
0	1	1	0	0
1	0	0	0	0
1	0	1	0	0
1	1	0	1	1
1	1	1	1	1



0	0	0	0	0
0	0	1	0	0
0	1	0	0	0
0	1	1	0	0
1	0	0	0	0
1	0	1	0	0
1	1	0	1	1
1	1	1	1	1

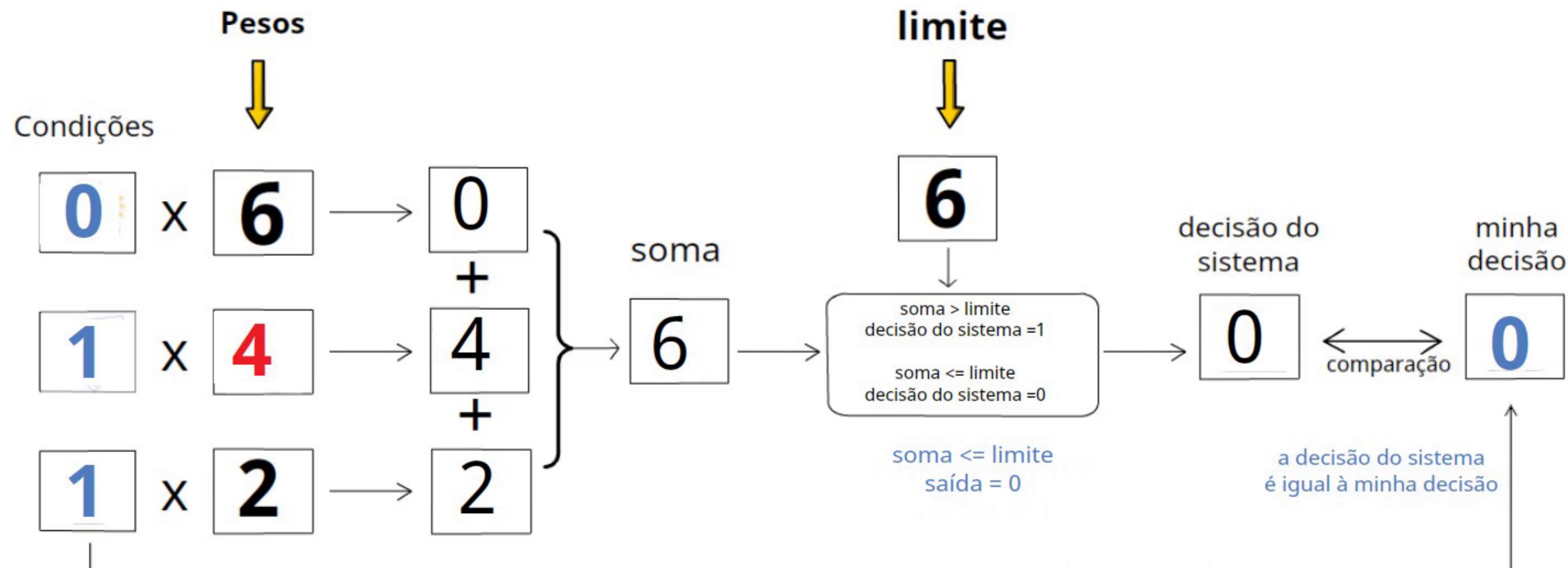




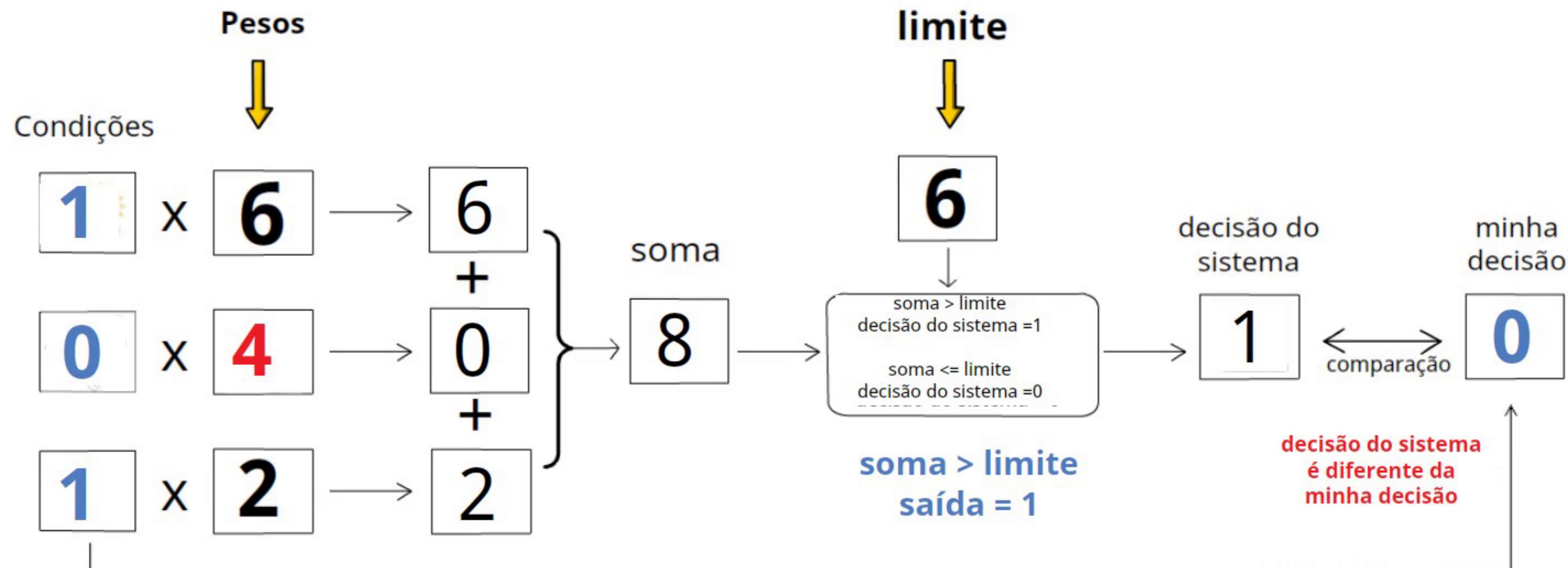
*É necessário ajuste
de parâmetros*

O preço do ingresso
passará a ter peso 4

0	0	0	0	0
0	0	1	0	0
0	1	0	0	0
0	1	1	0	0
1	0	0	0	0
1	0	1	0	0
1	1	0	1	1
1	1	1	1	1



0	0	0	0	✓
0	0	1	0	✓
0	1	0	0	✓
0	1	1	0	✓
1	0	0	0	✓
1	0	1	0	
1	1	0	1	
1	1	1	1	

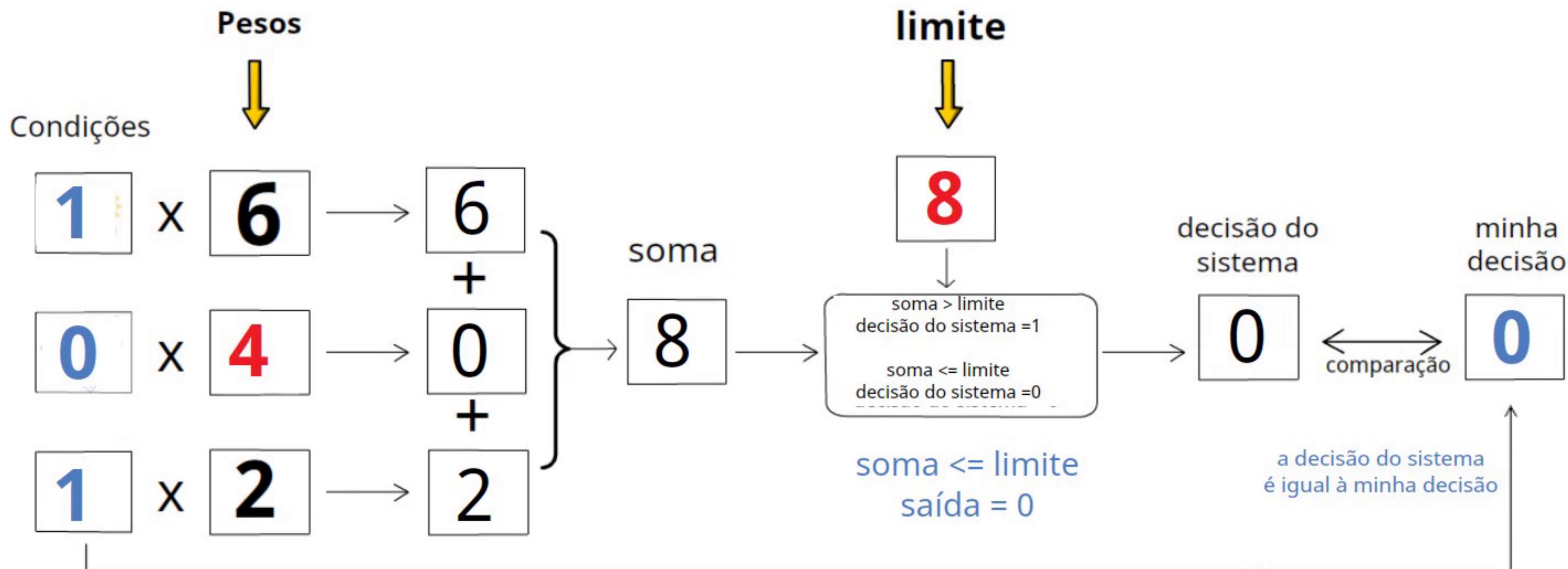




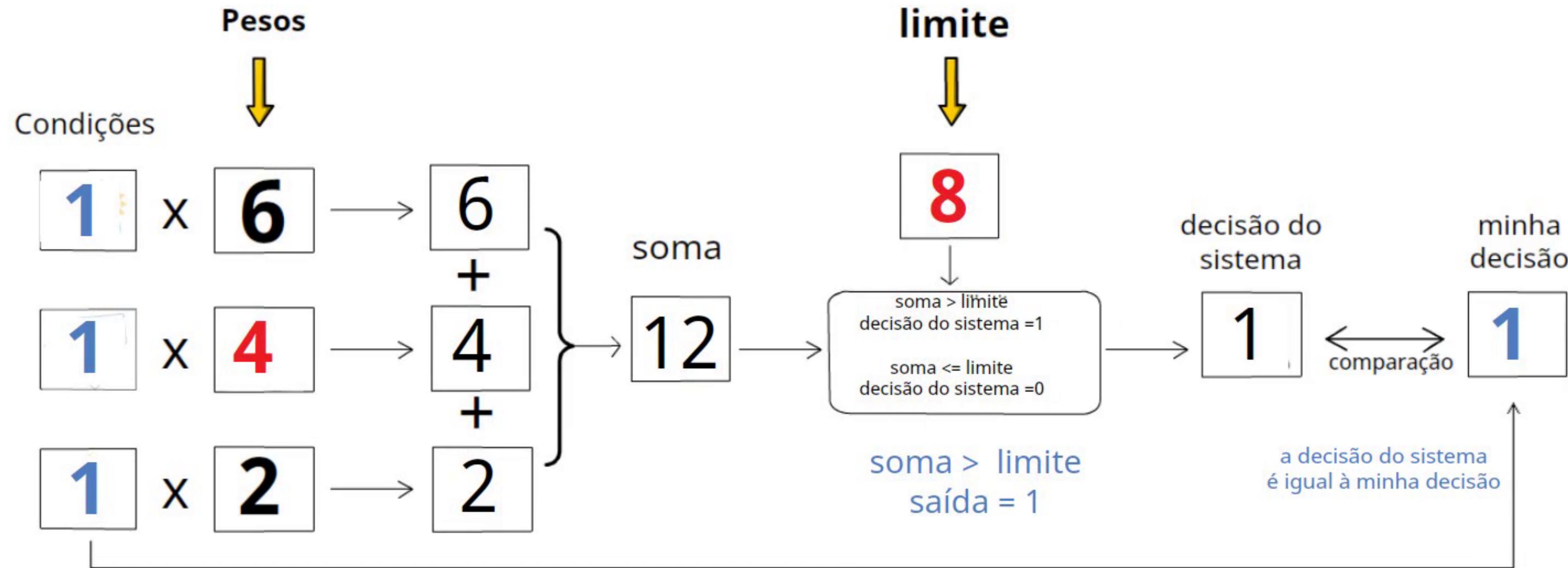
É necessário ajuste de parâmetro(s)
O limite será alterado para 8

minha condição

0	0	0	0	0	✓
0	0	1	0	0	✓
0	1	0	0	0	✓
0	1	1	0	0	✓
1	0	0	0	0	✓
1	0	1	0	0	
1	1	0	1	1	
1	1	1	1	1	



0	0	0	0	✓
0	0	1	0	✓
0	1	0	0	✓
0	1	1	0	✓
1	0	0	0	✓
1	0	1	0	✓
1	1	0	1	✓
1	1	1	1	✓



Vamos fazer uma verificação

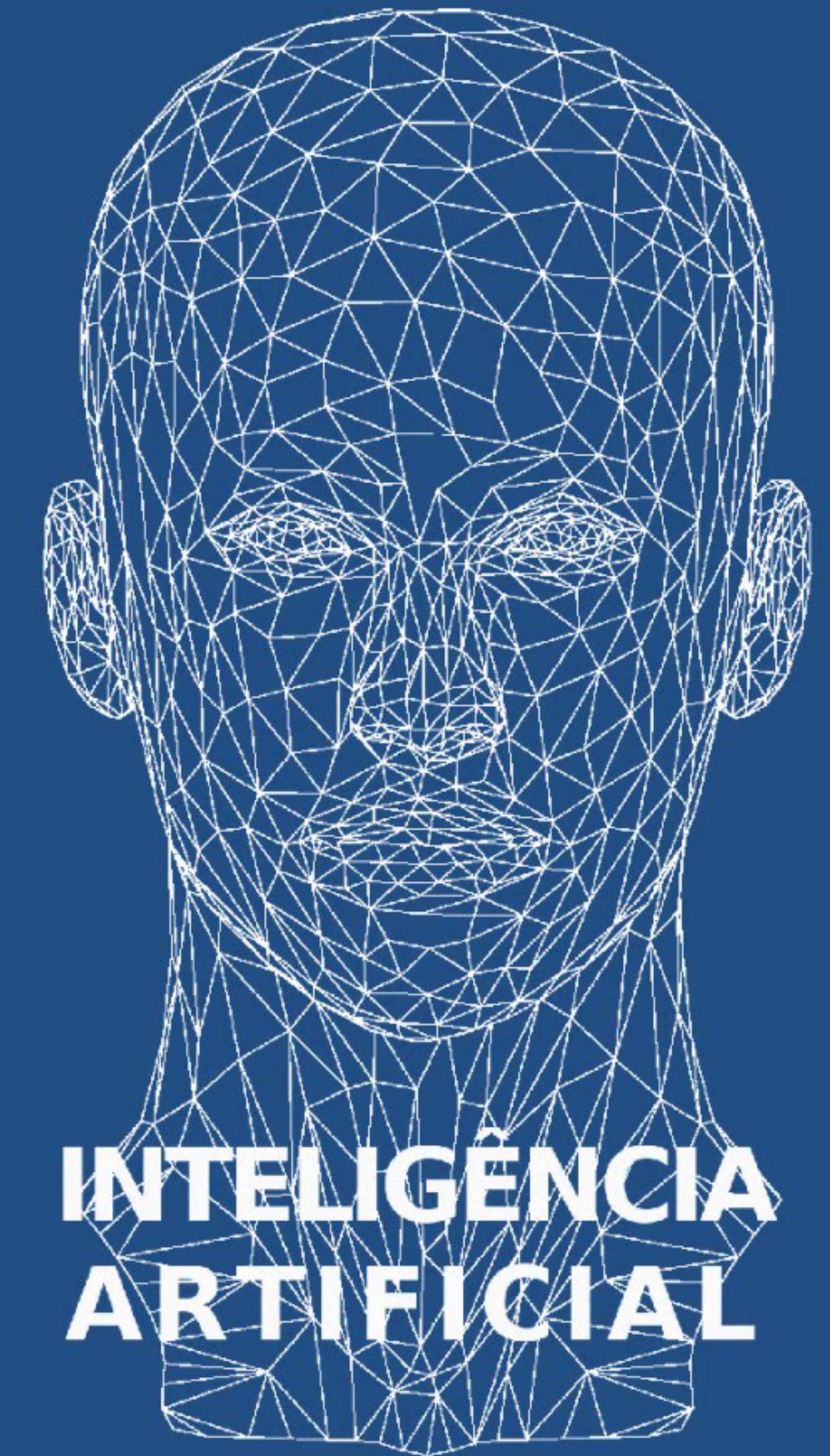


A partir da quarta combinação de condições, houve alteração de parâmetros

Vamos testar os parâmetros finais para todas as combinações de condições

As primeiras combinações não foram testadas com os parâmentros finais





**INTELIGÊNCIA
ARTIFICIAL**