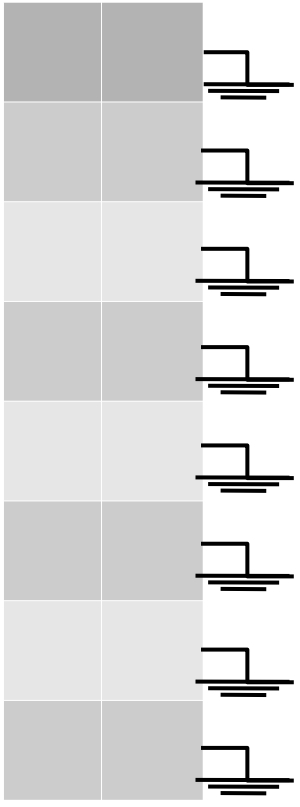
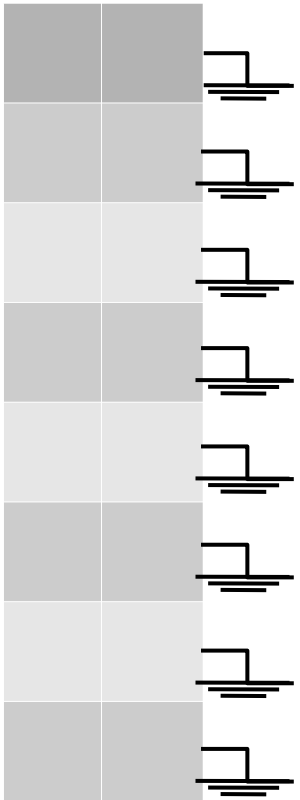
Exercício 8 – Tabela Hash com Encadeamento

h(k) = k mod m



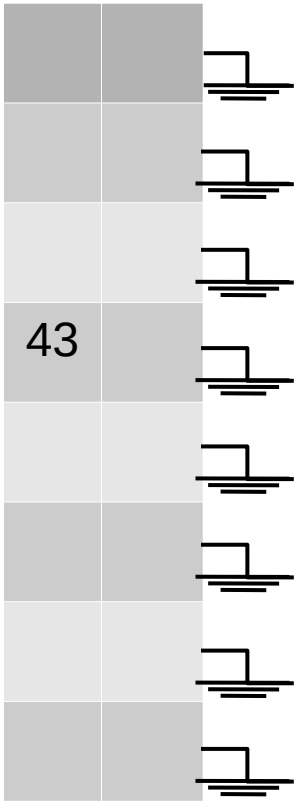
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(43) = 43 mod 8 = 3



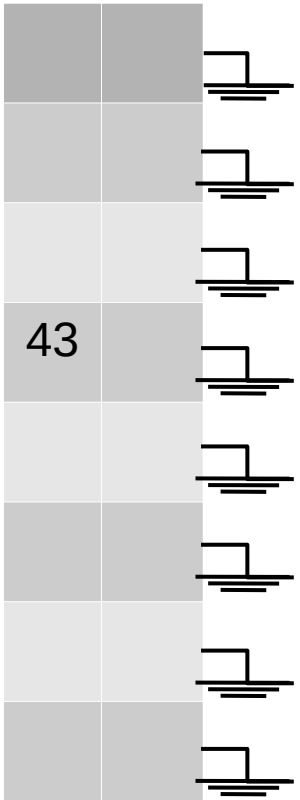
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(43) = 43 mod 8 = 3



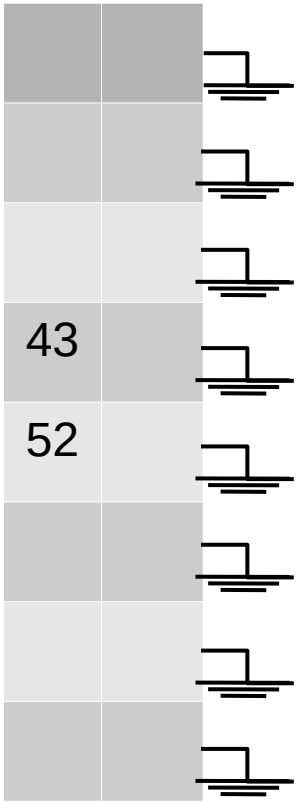
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(52) = 52 mod 8 = 4



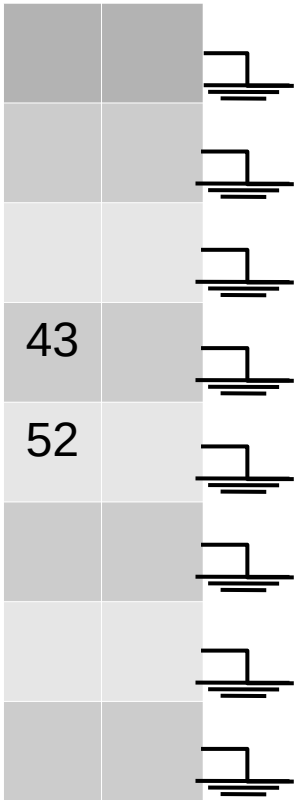
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(52) = 52 mod 8 = 4



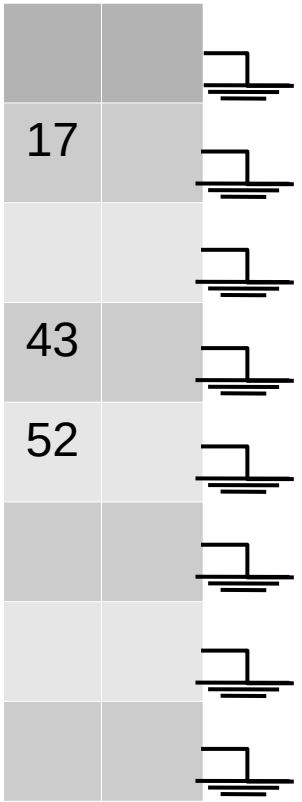
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(17) = 17 mod 8 = 1



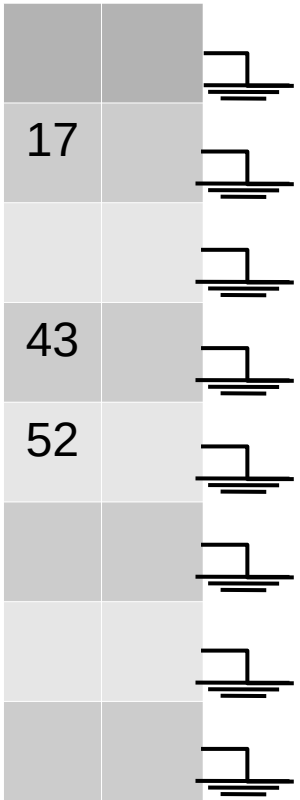
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(17) = 17 mod 8 = 1



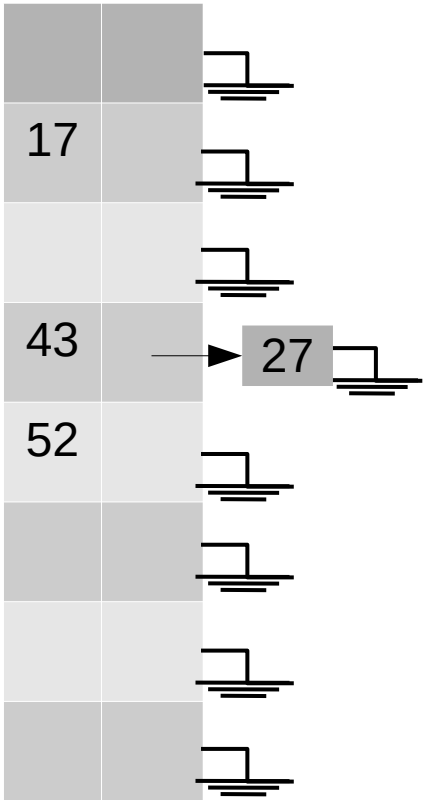
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(27) = 27 mod 8 = 3 → COLISÃO



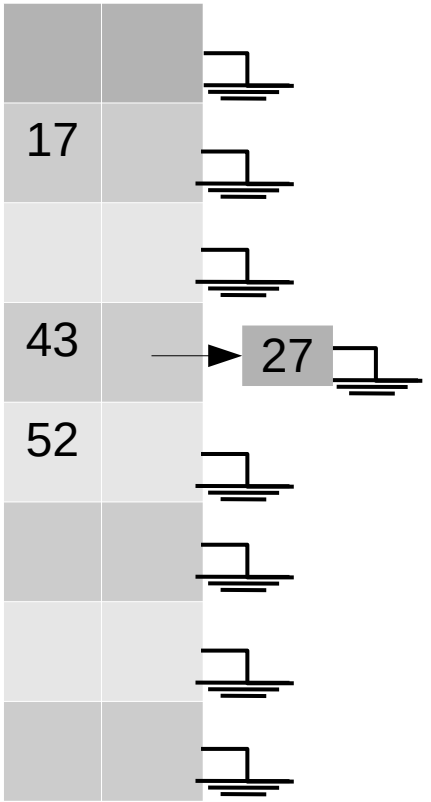
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(27) = 27 mod 8 = 3 → COLISÃO



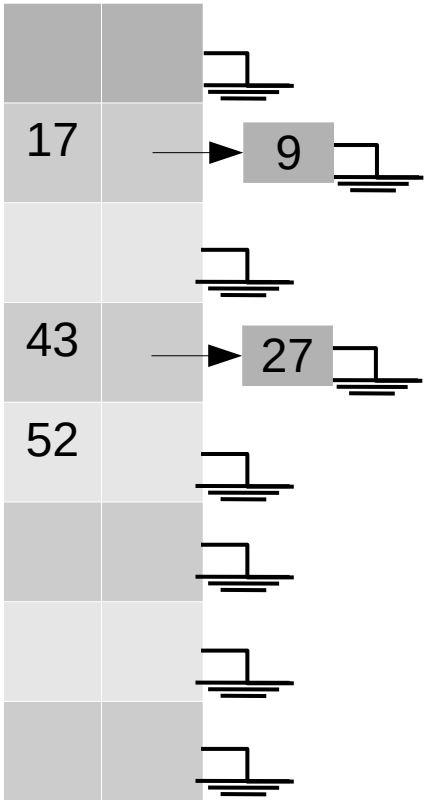
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(9) = 9 mod 8 = 1 ⟶ COLISÃO



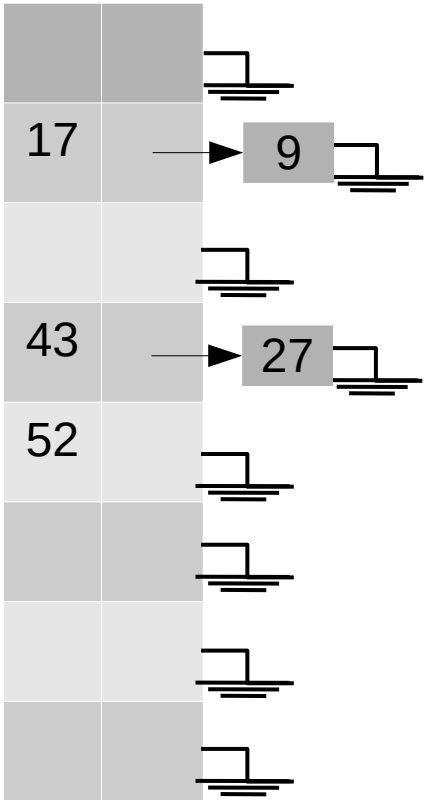
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(9) = 9 mod 8 = 1 ⟶ COLISÃO



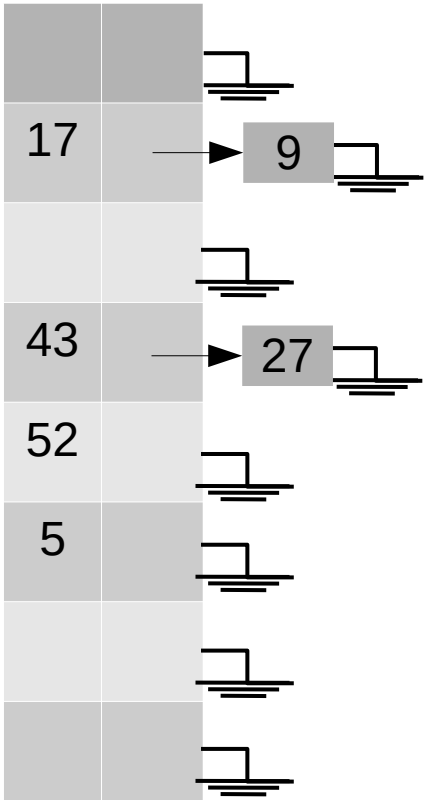
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(5) =5 mod 8 = 5



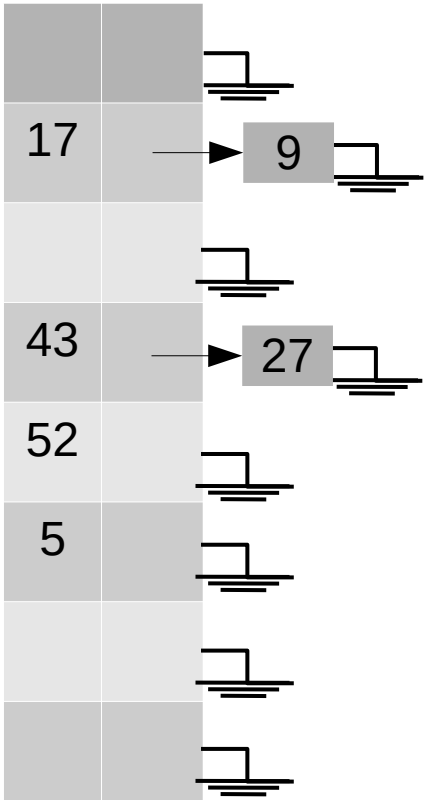
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(5) =5 mod 8 = 5



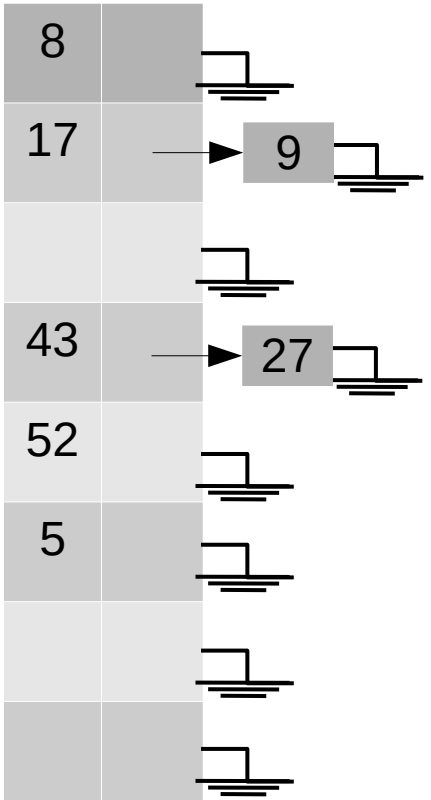
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(8) =8 mod 8 = 0



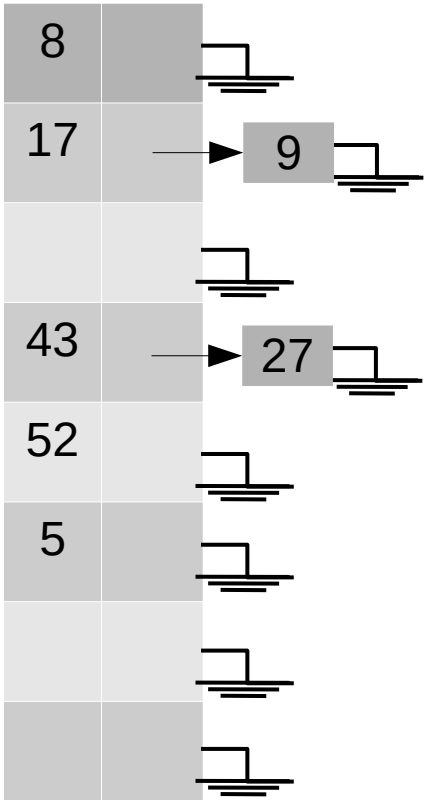
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(8) =8 mod 8 = 0



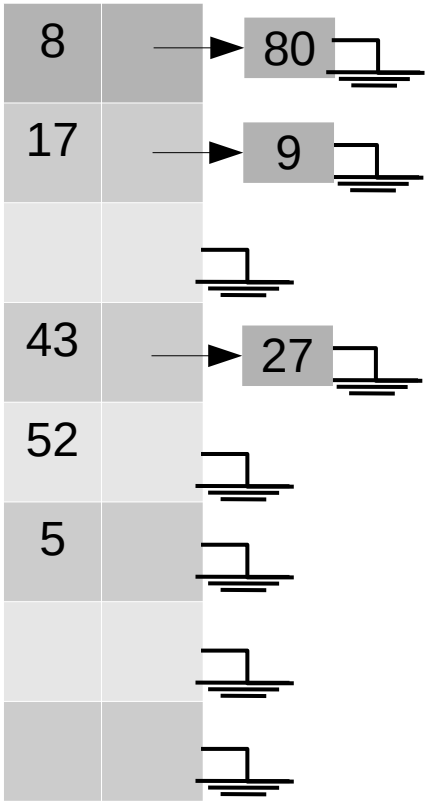
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(80) =80 mod 8 = 0 → COLISÃO



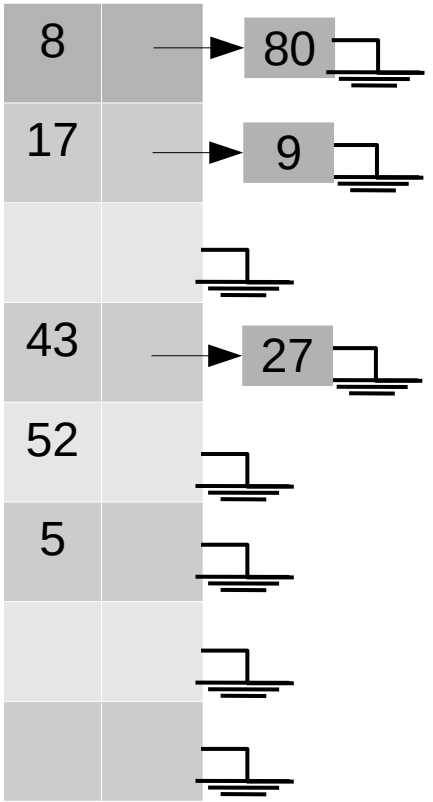
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(80) =80 mod 8 = 0 → COLISÃO



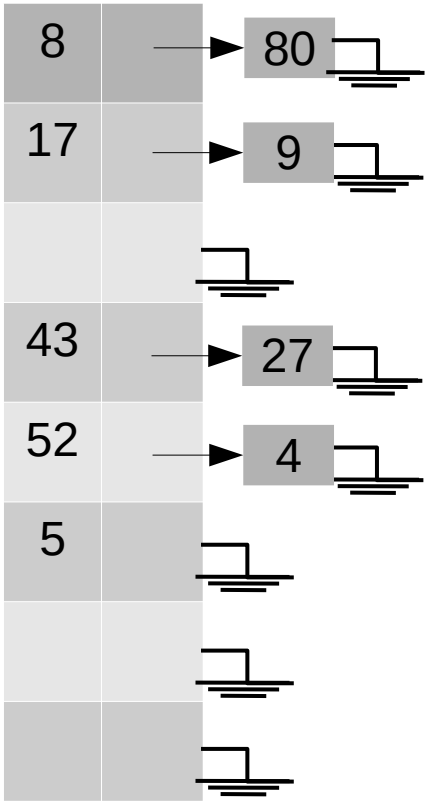
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(4) =4 mod 8 = 4 ⟶ COLISÃO



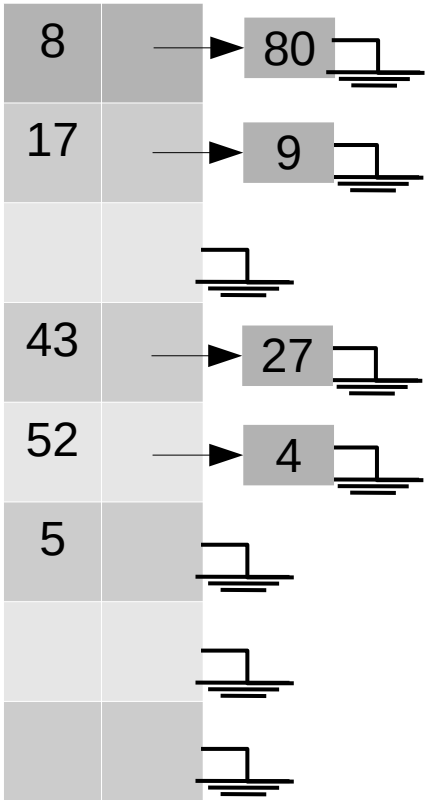
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(4) =4 mod 8 = 4 ⟶ COLISÃO



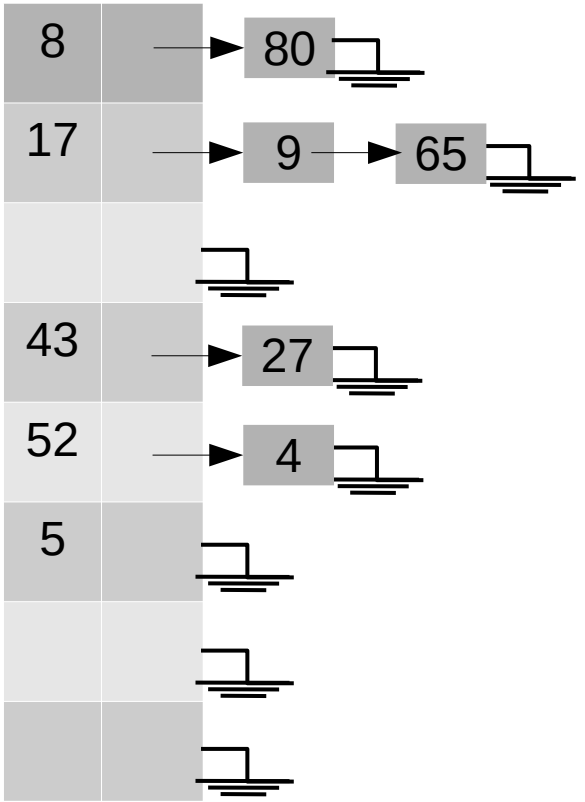
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(65) =65 mod 8 = 1 → COLISÃO



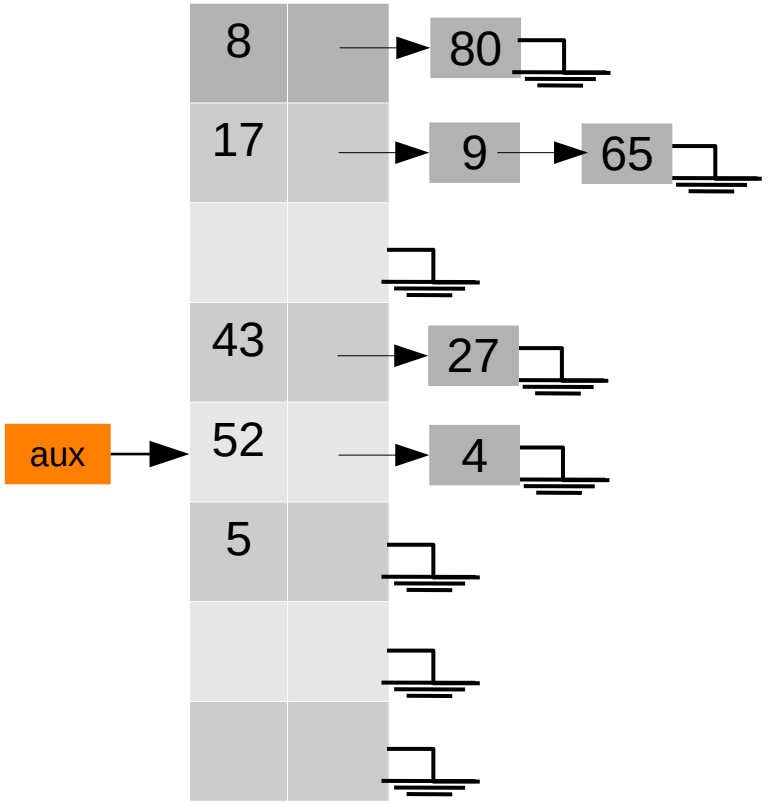
1. Inserir os elementos 43, 52, 17, 27, 9, 5, 8, 80, 4, 65

h(65) =65 mod 8 = 1 → COLISÃO



2. Remover o elemento 52, 9

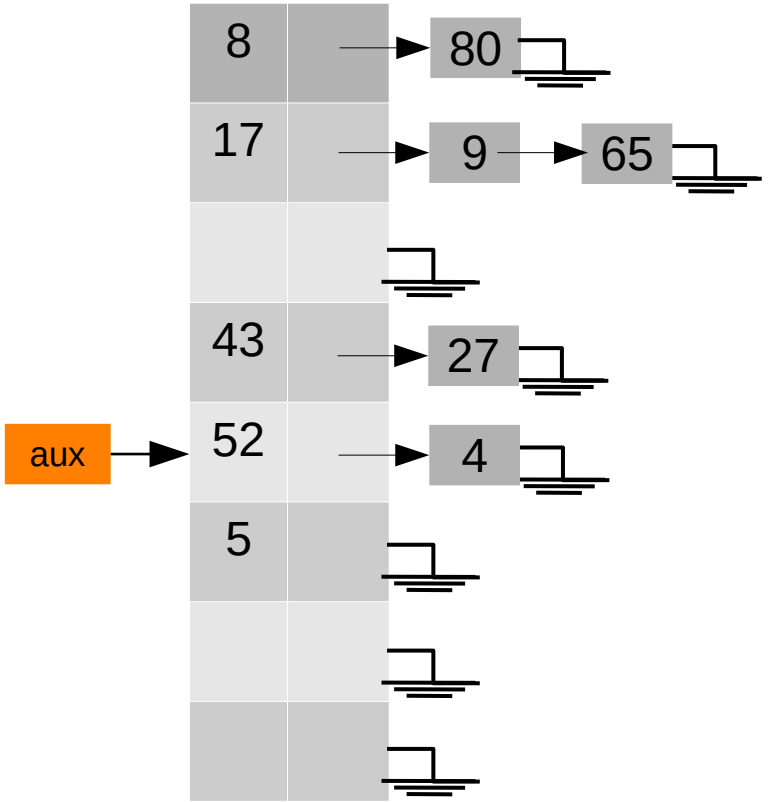
h(52) =52 mod 8 = 4



2. Remover o elemento 52, 9

h(52) =52 mod 8 = 4

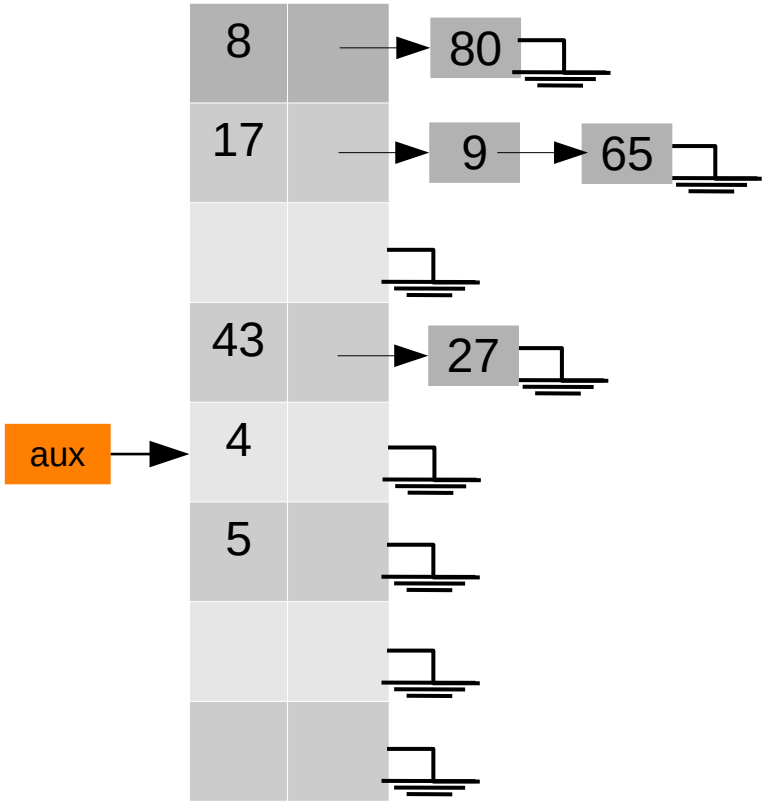
Inicio = inicio.proximo



2. Remover o elemento 52, 9

h(52) =52 mod 8 = 4

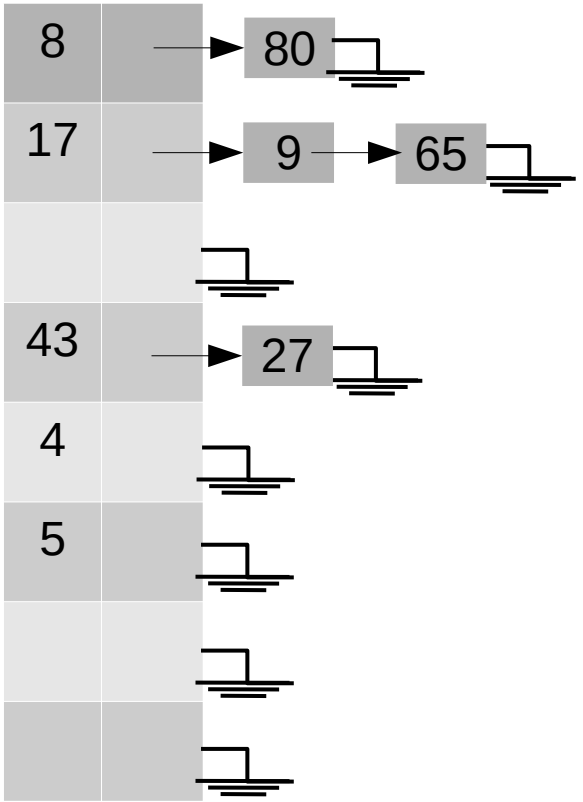
Inicio = inicio.proximo



2. Remover o elemento 52, 9

h(52) =52 mod 8 = 4

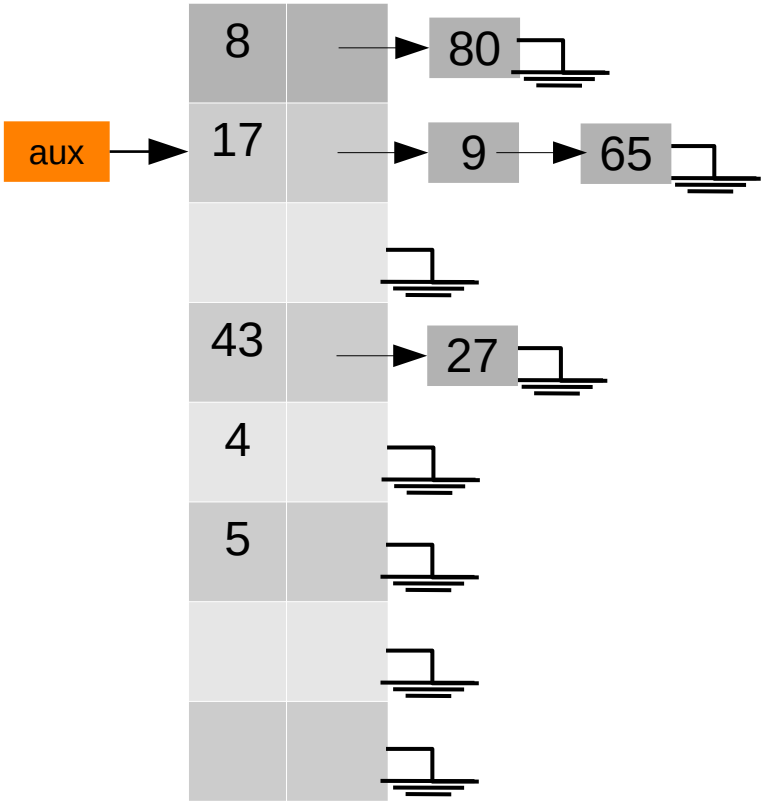
Delete(aux)



2. Remover o elemento 52, 9

h(9) =9 mod 8 = 1

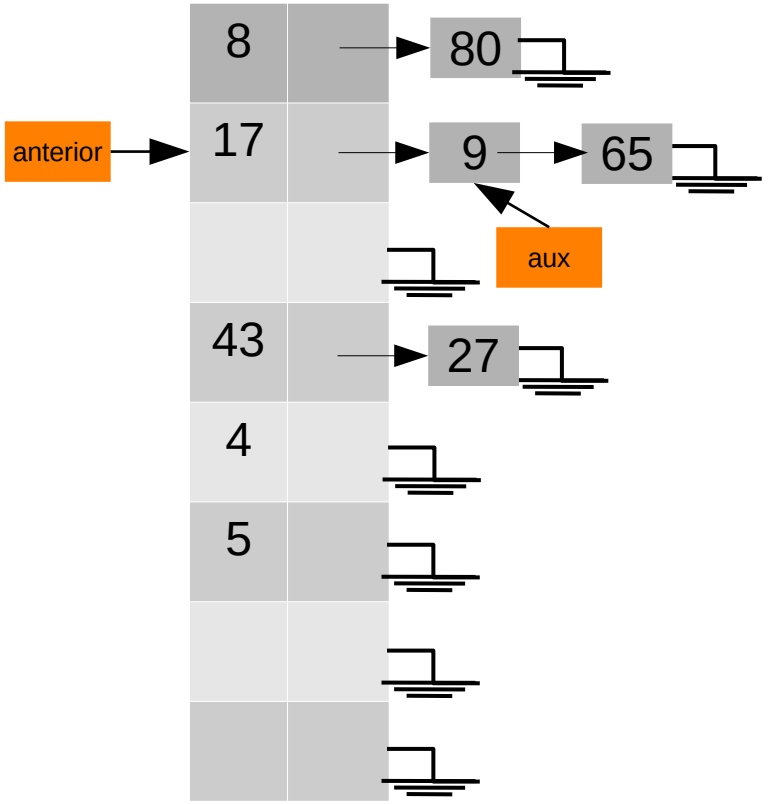
Percorre até encontrar o 9



2. Remover o elemento 52, 9

h(9) =9 mod 8 = 1

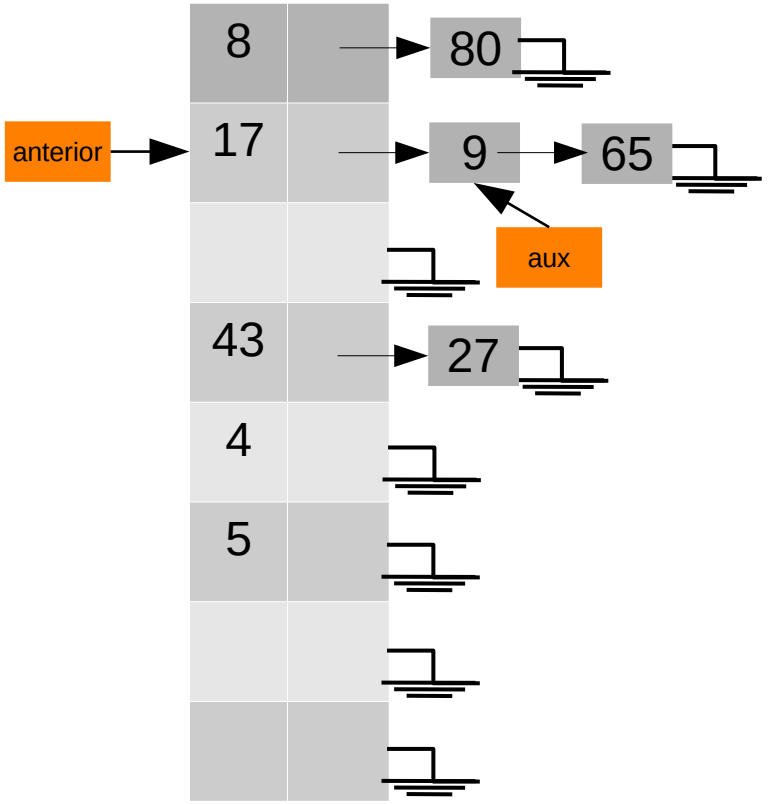
Percorre até encontrar o 9



2. Remover o elemento 52, 9

h(9) =9 mod 8 = 1

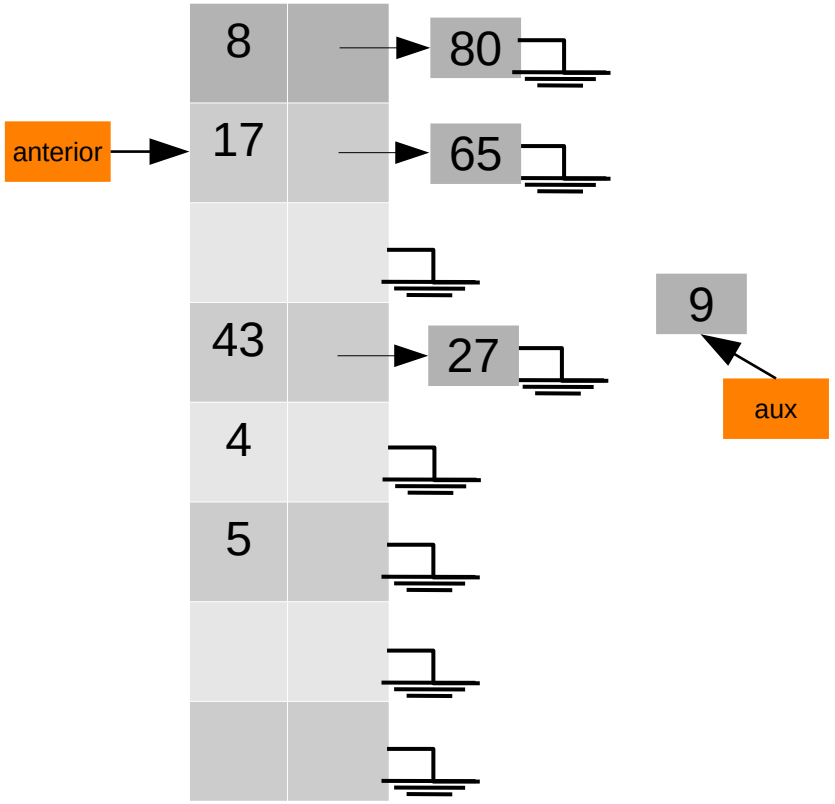
anterior = aux.proximo



2. Remover o elemento 52, 9

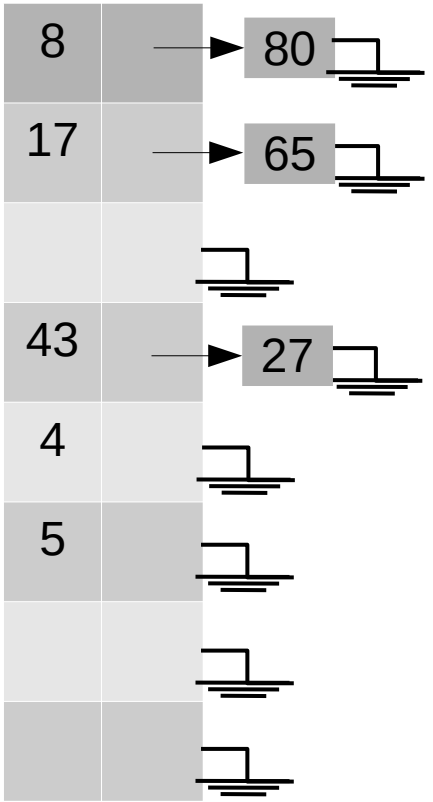
h(9) =9 mod 8 = 1

Delete aux e anterior



2. Remover o elemento 52, 9

h(9) =9 mod 8 = 1



Resultado