

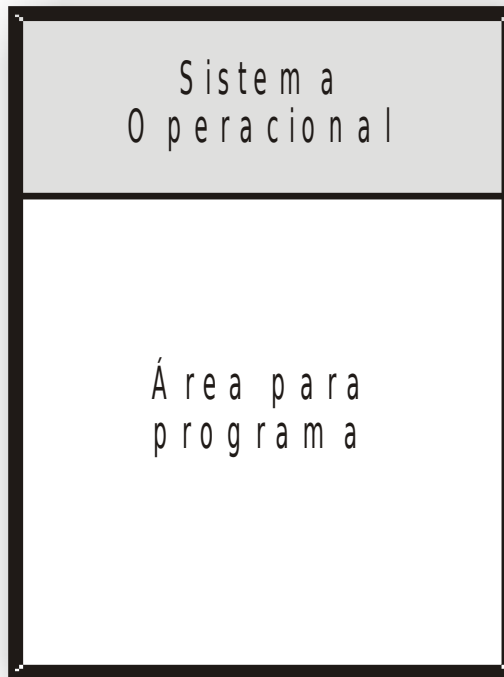
Arquitetura de Sistemas Operacionais

**Francis Berenger Machado
Luiz Paulo Maia**

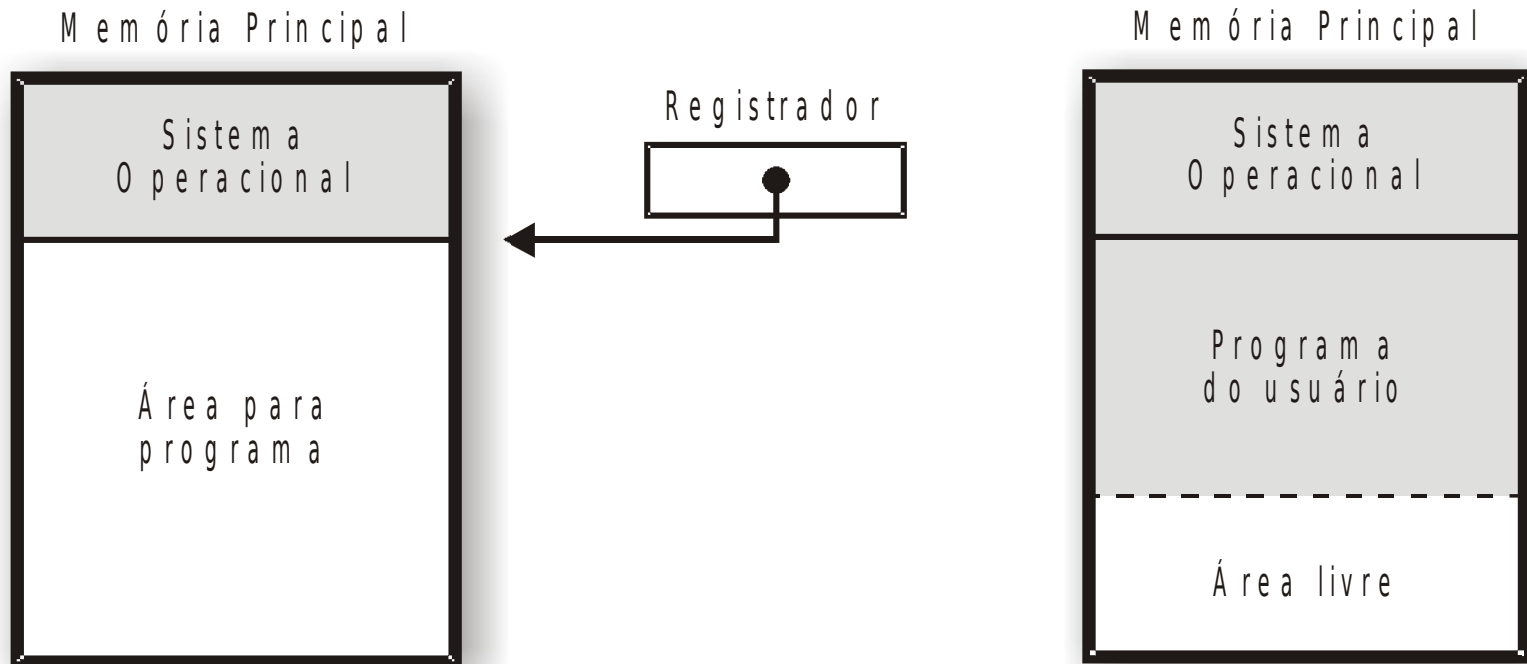
**Capítulo 9
Gerência de Memória**

Alocação Contígua Simples

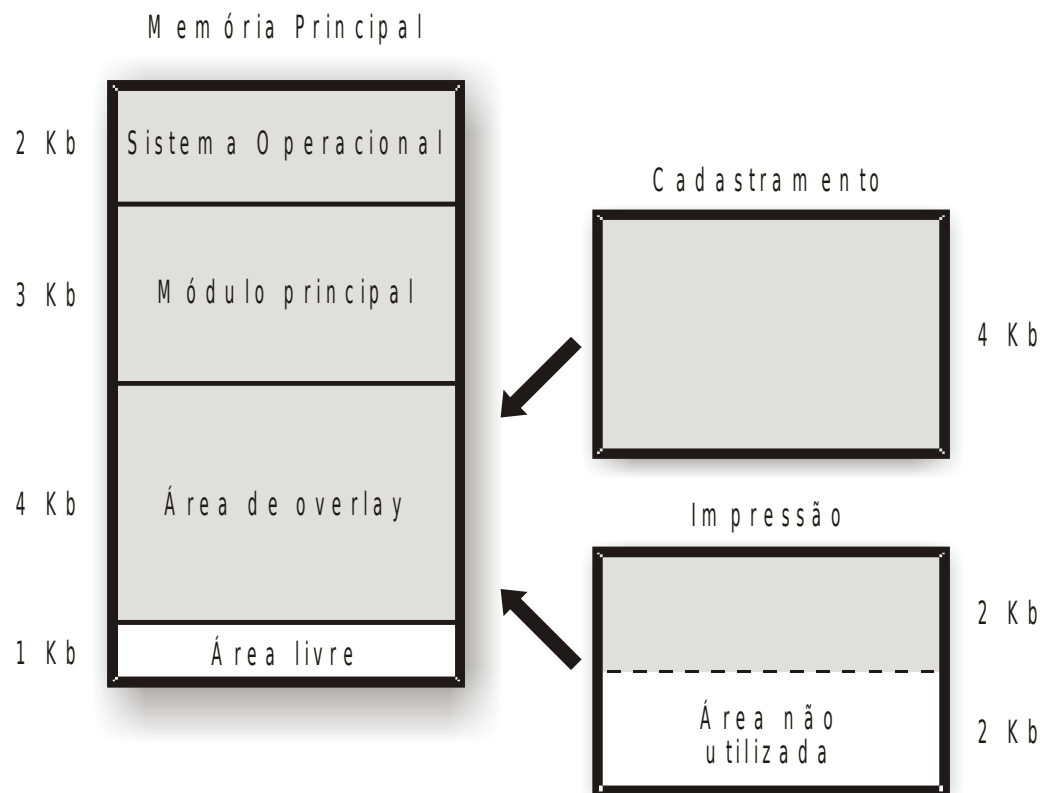
M e m ó r i a P r i n c i p a l



Alocação Contígua Simples



Técnica de Overlay

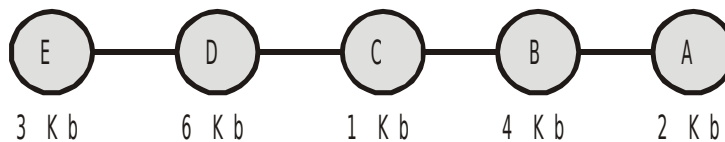


Alocação Particionada Estática

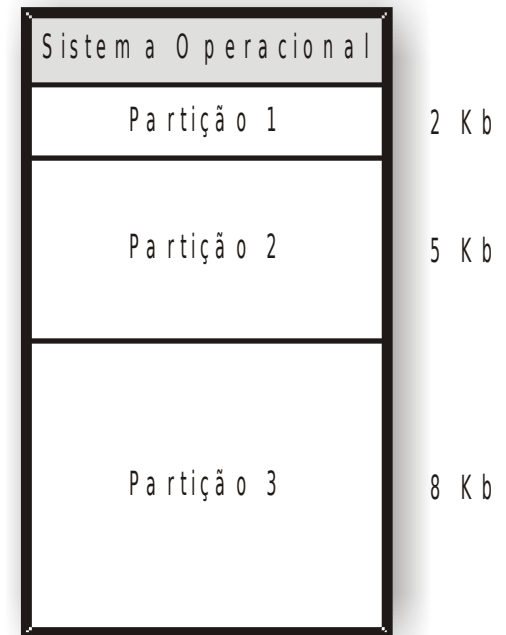
Tabela de partições

Partição	Tamanho
1	2 Kb
2	5 Kb
3	8 Kb

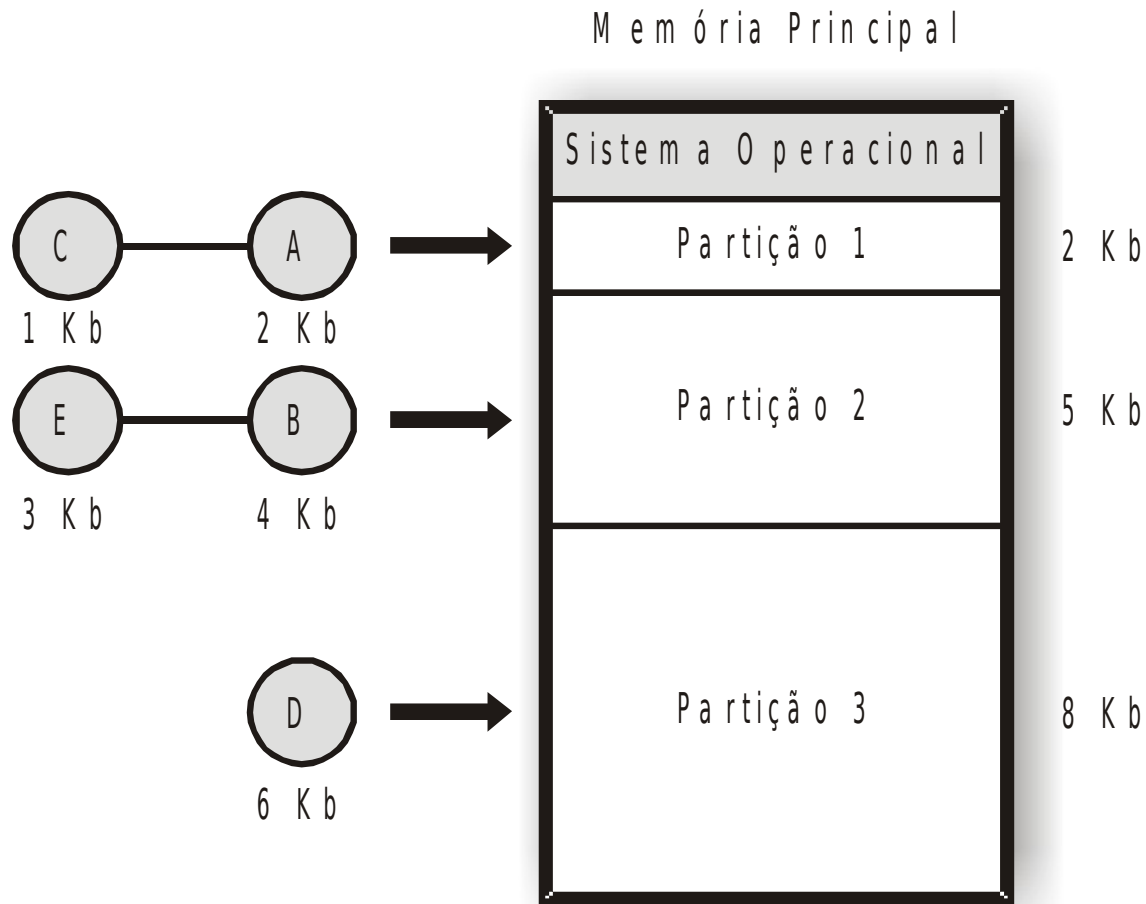
Programas a serem executados:



Memória Principal



Alocação Particionada Estática Absoluta



Alocação Particionada Estática Relocável

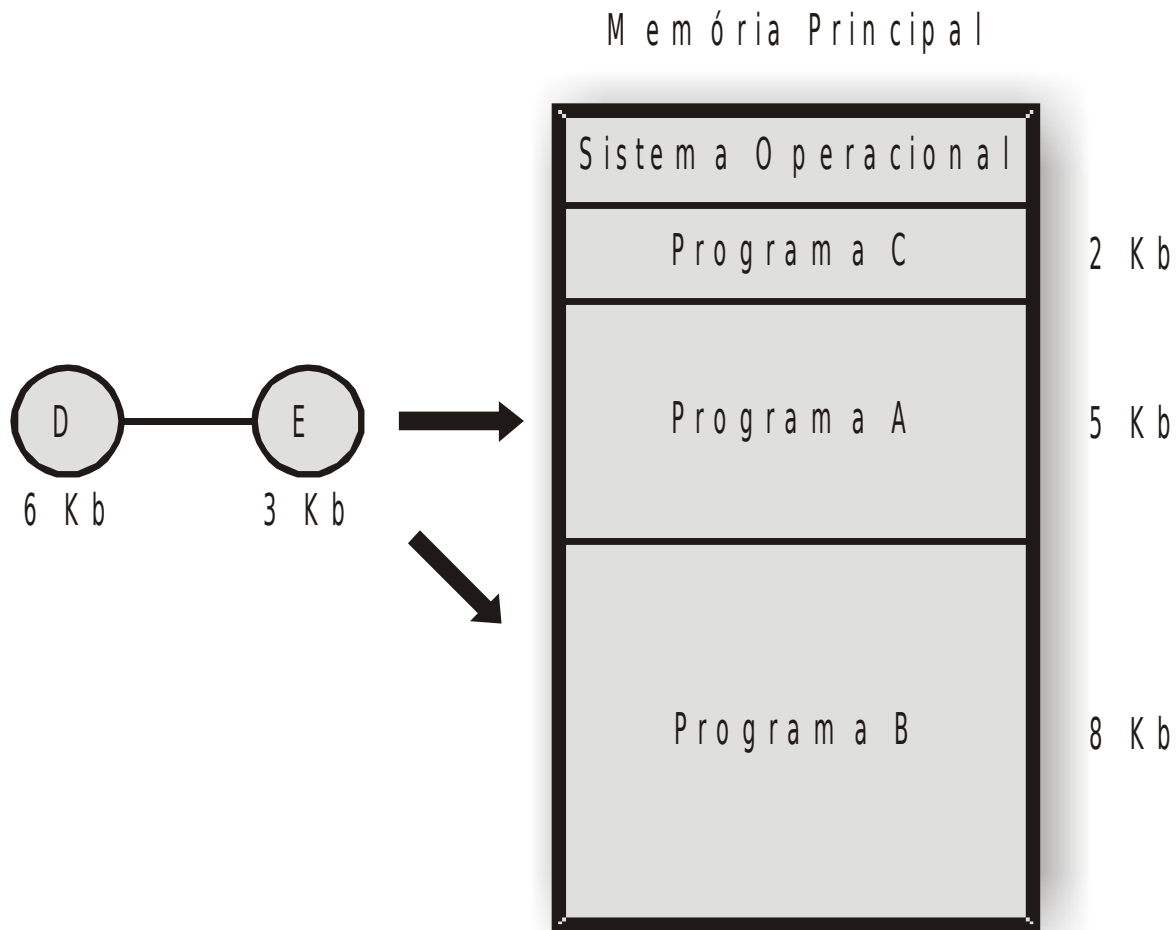
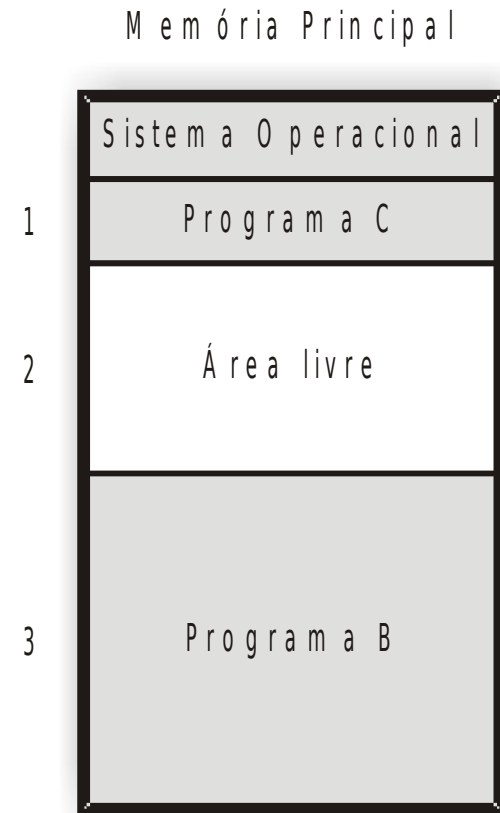


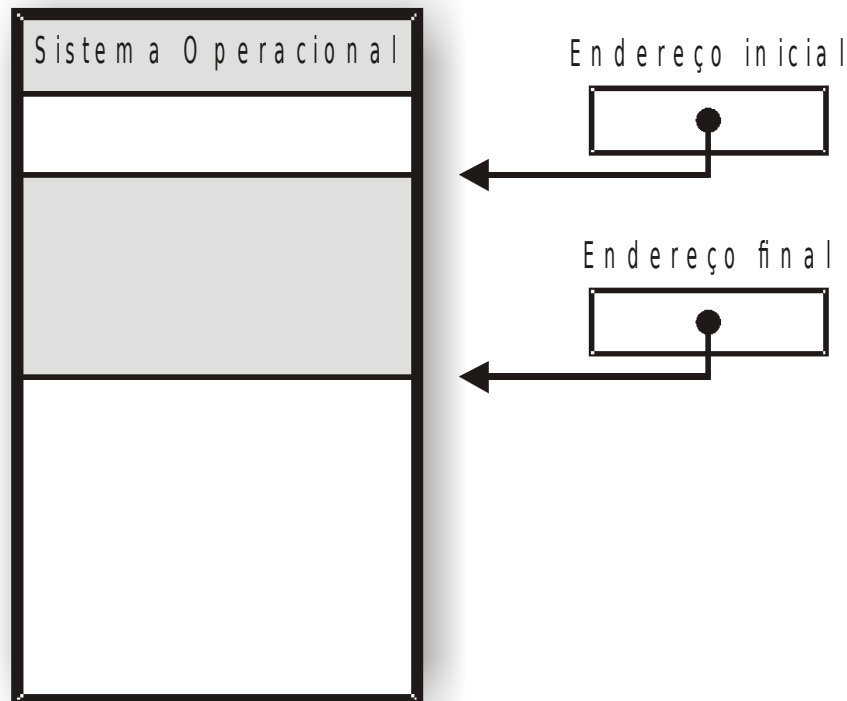
Tabela de Alocação de Partições

Partição	Tamanho	Livre
1	2 Kb	Não
2	5 Kb	Sim
3	8 Kb	Não

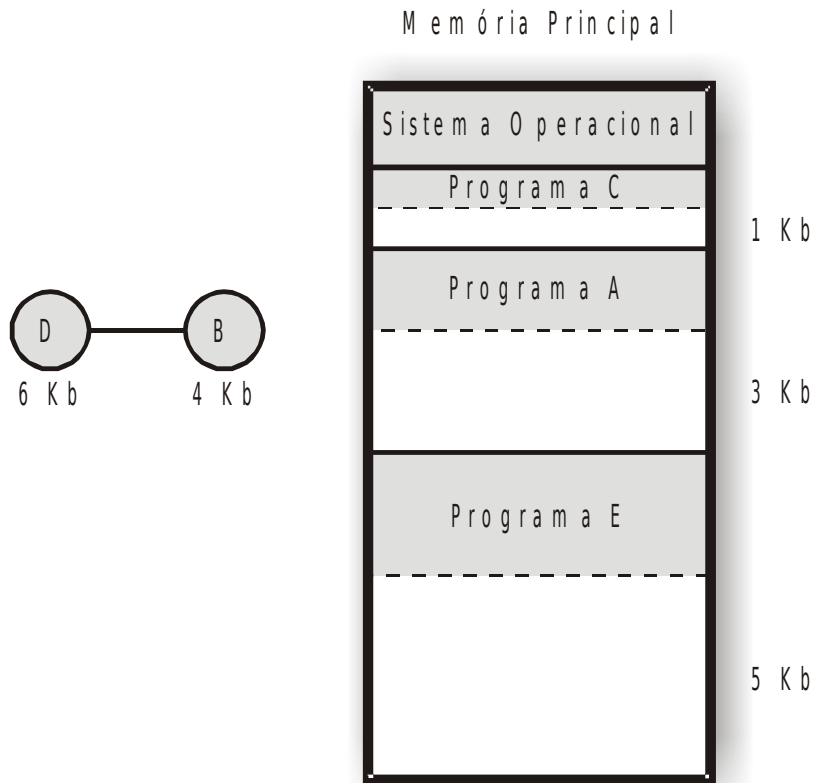


Proteção na Alocação Particionada

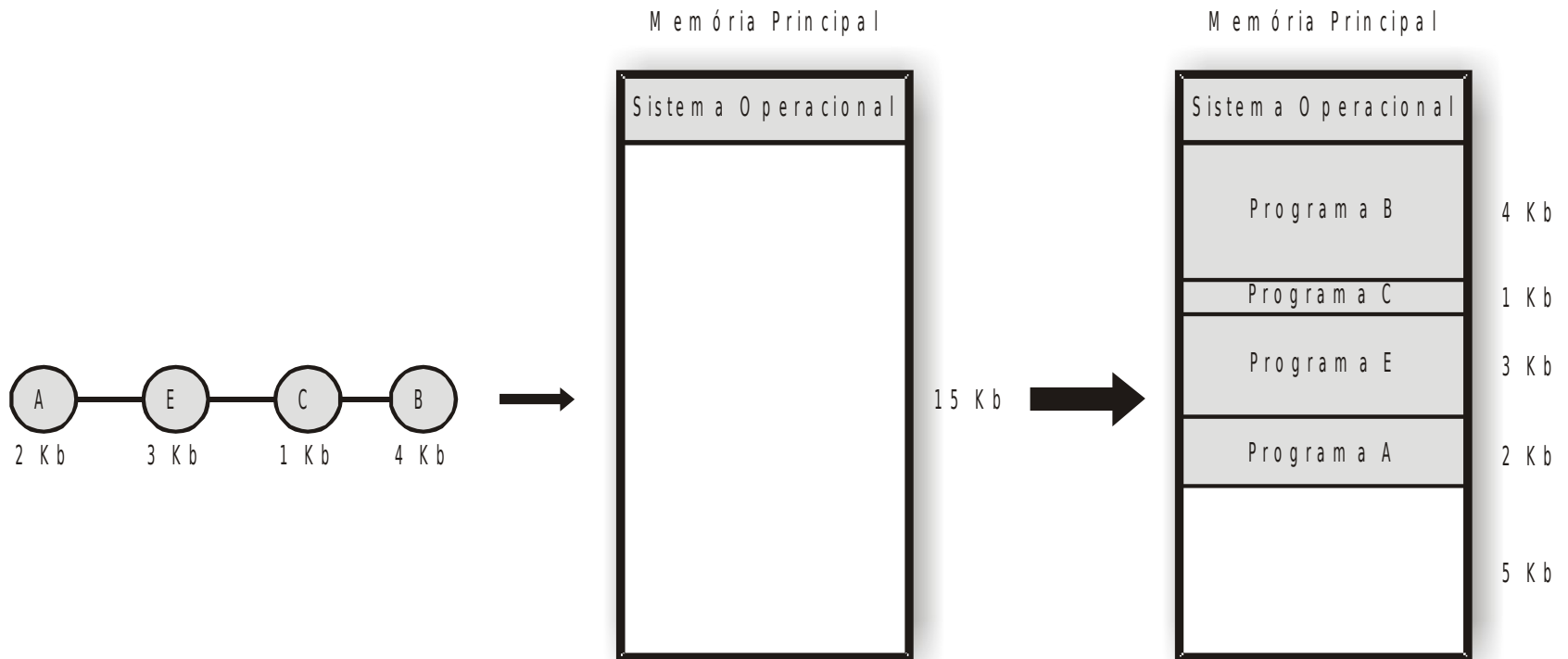
M e m ó r i a P r i n c i p a l



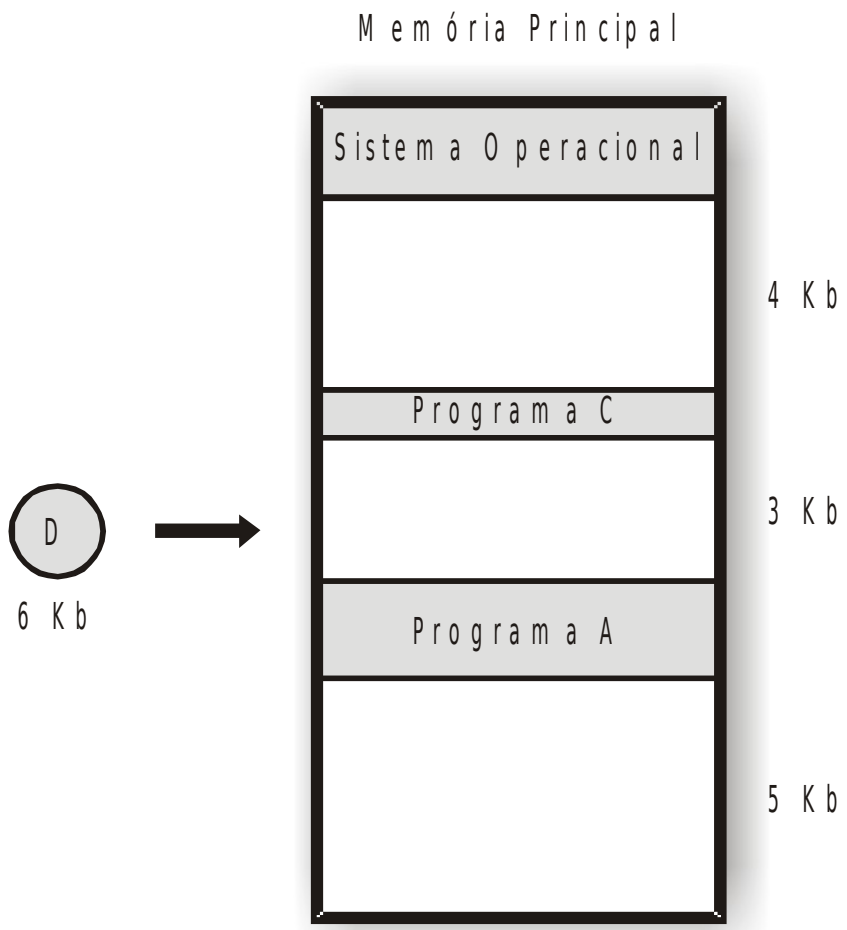
Fragmentação Interna



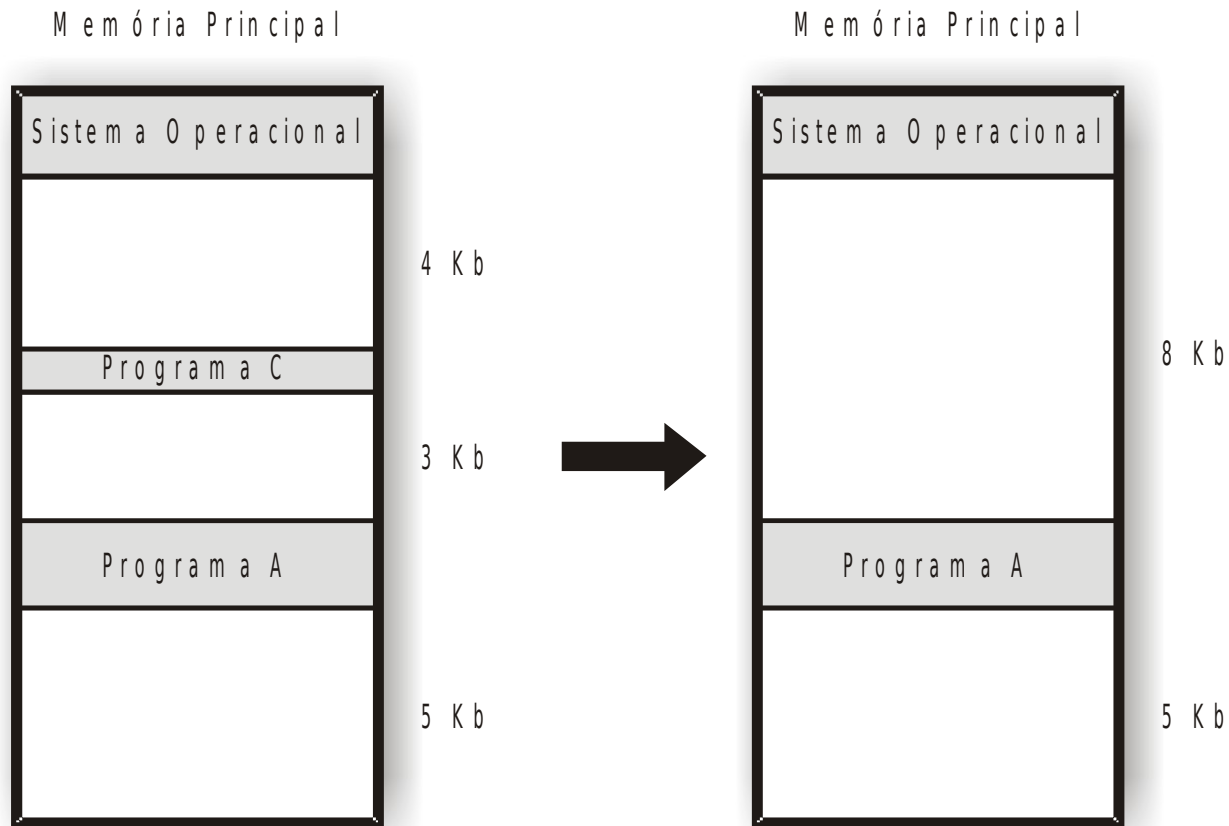
Alocação Particionada Dinâmica



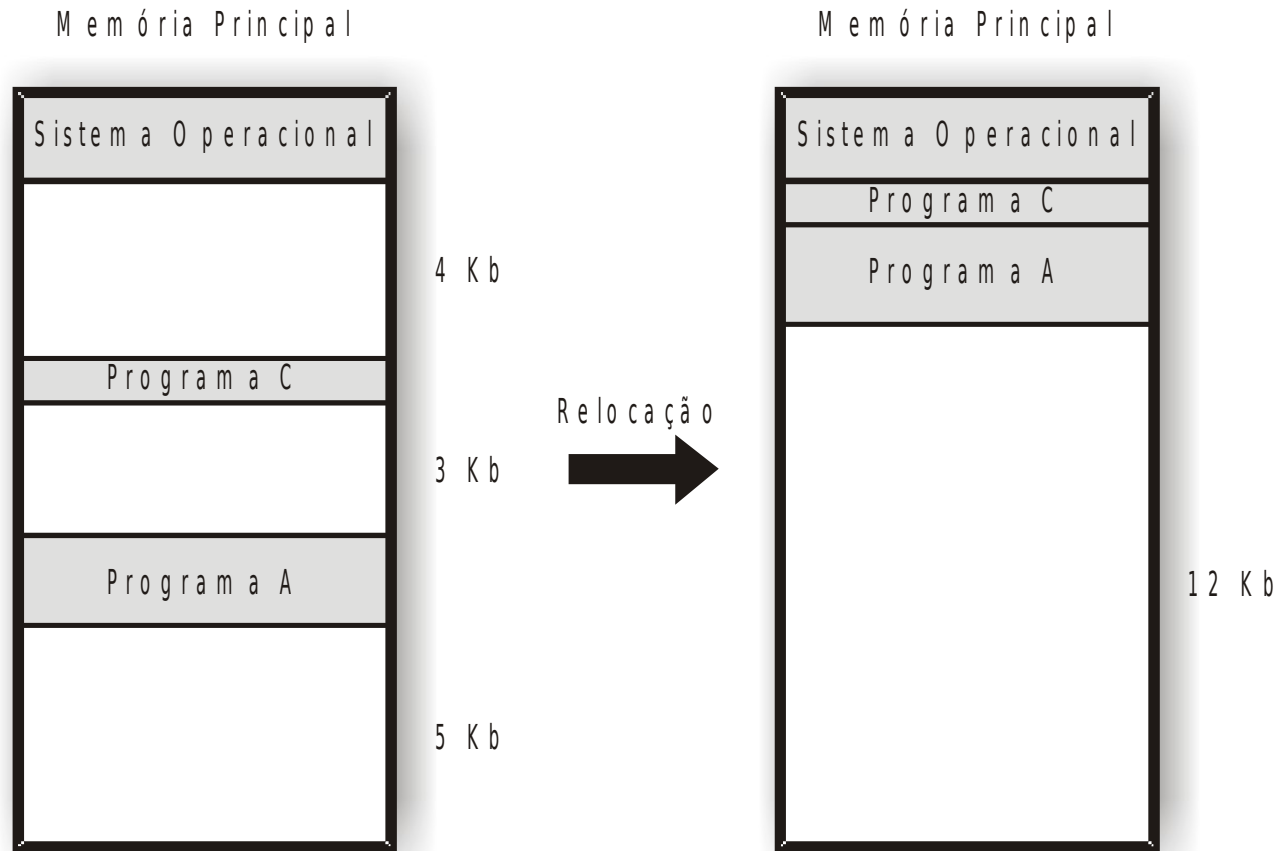
Fragmentação Externa



Solução para a Fragmentação Externa

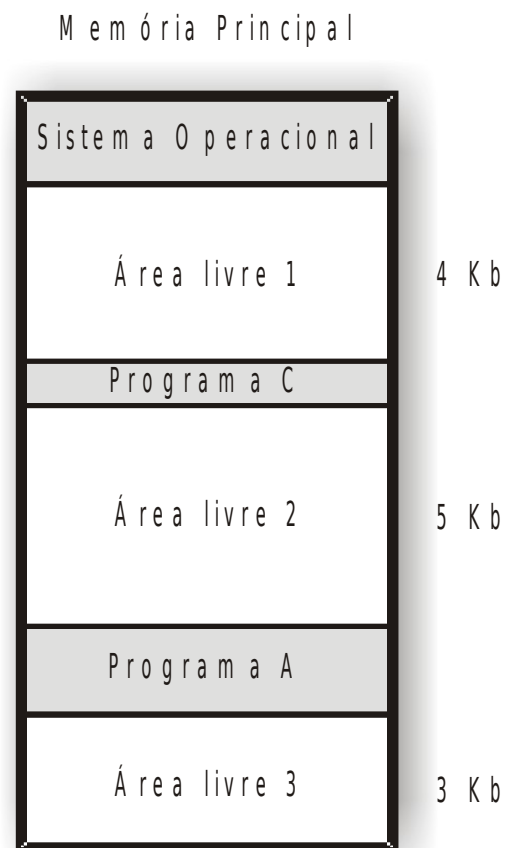


Solução para a Fragmentação Externa

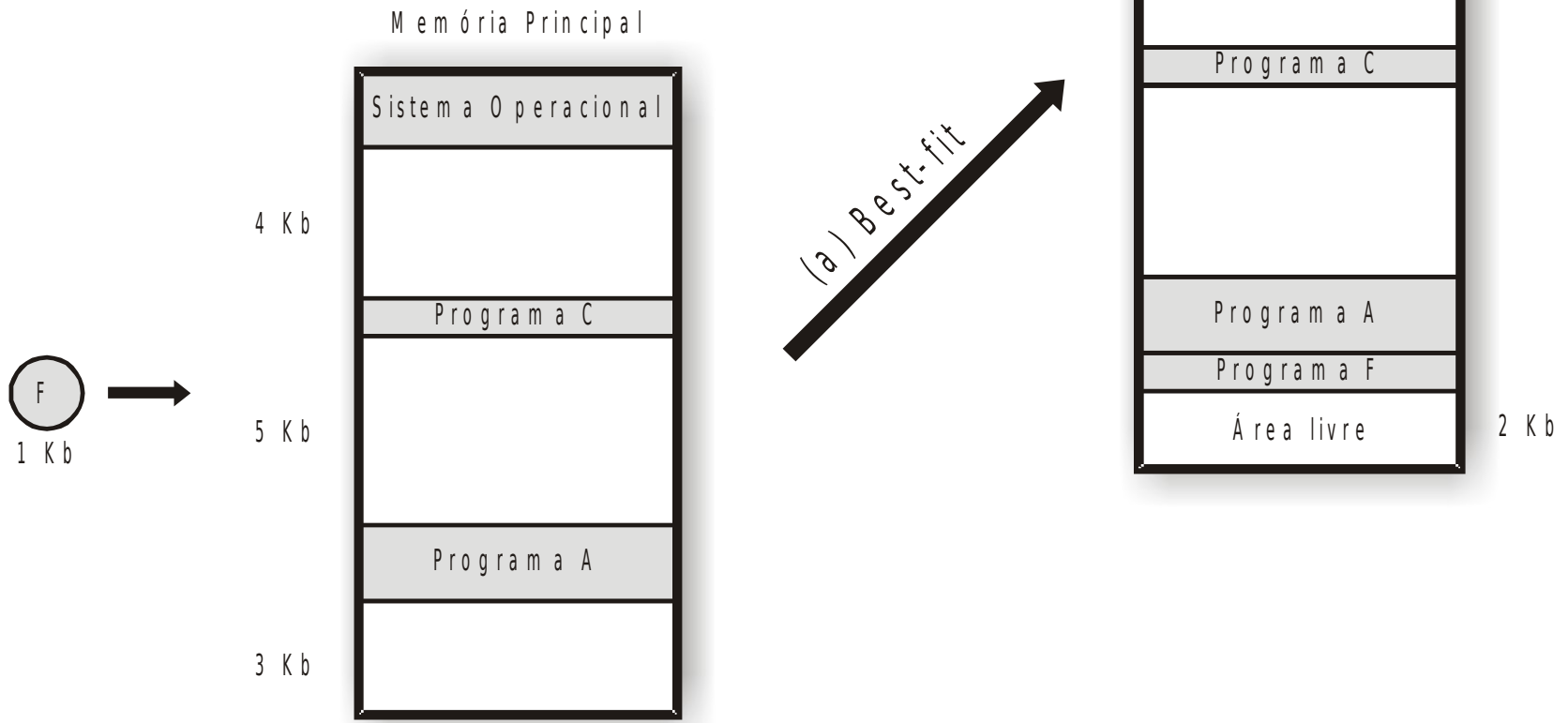


Lista de Áreas Livres

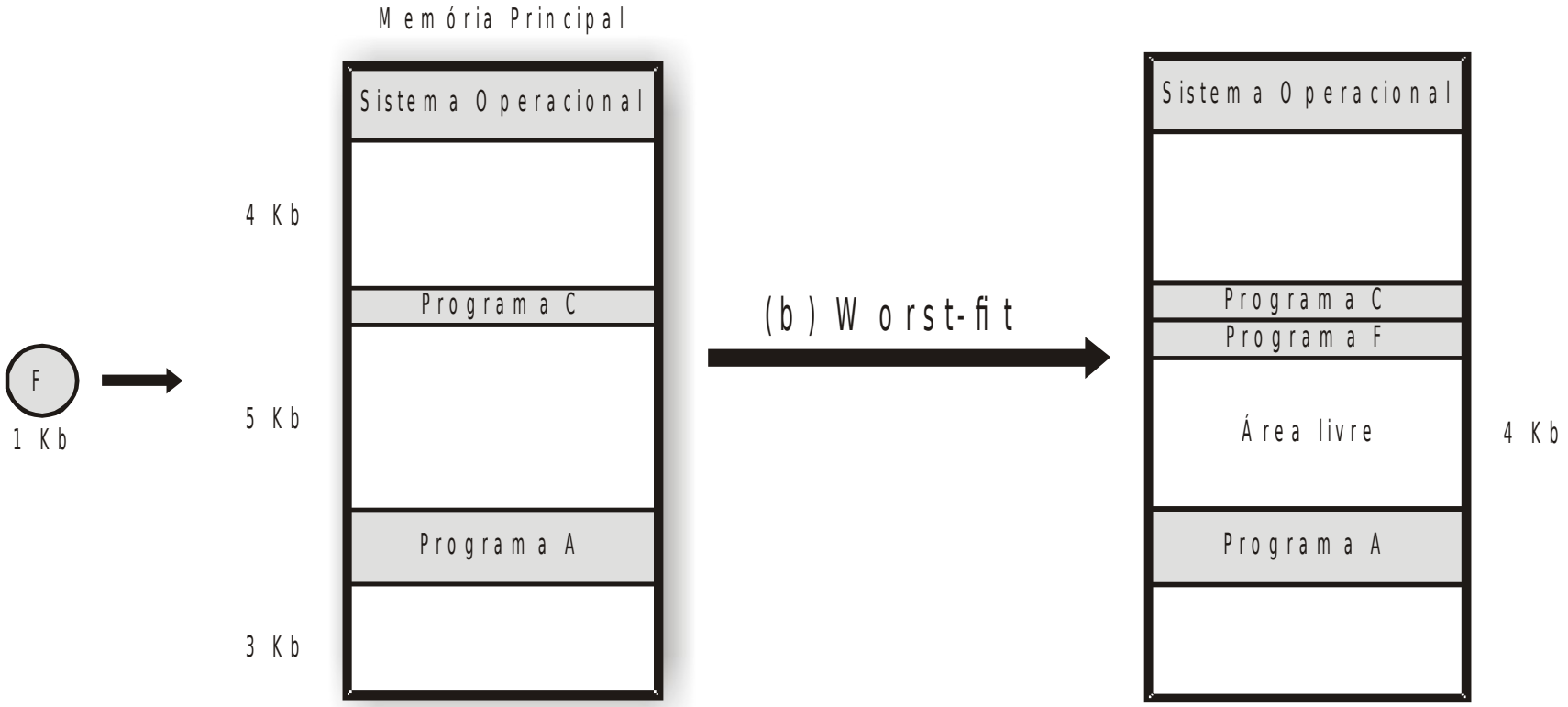
Áreas livres	Tamanho
1	4 Kb
2	5 Kb
3	3 Kb



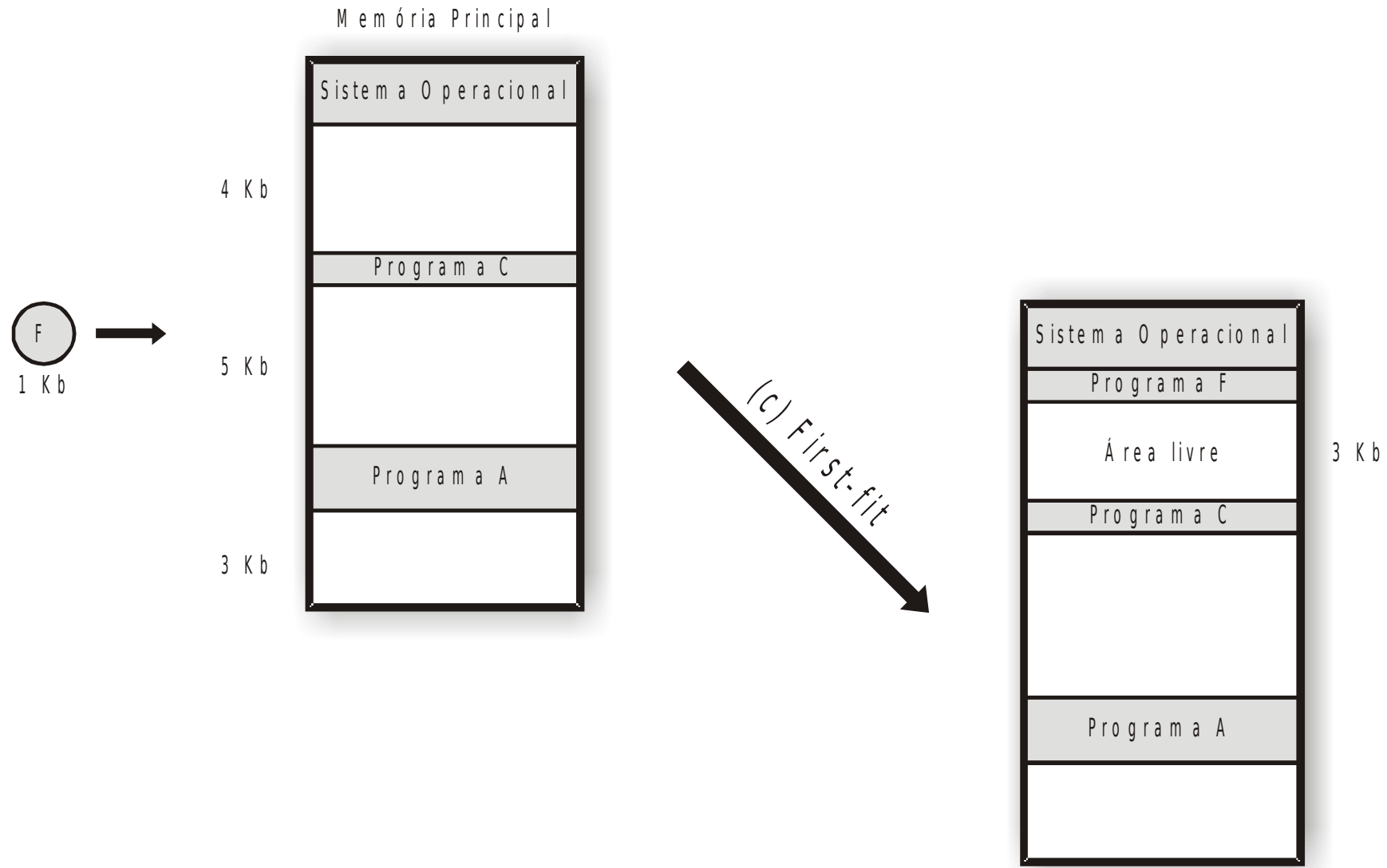
Best-Fit



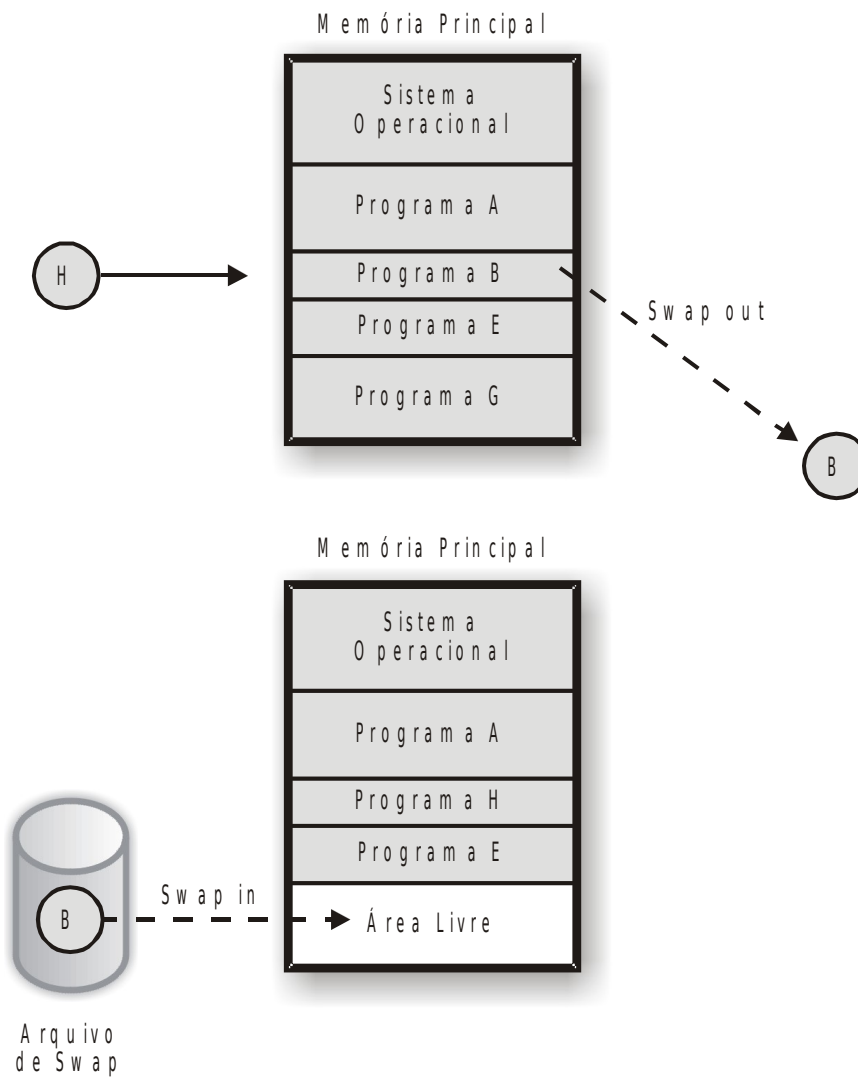
Worst-Fit



First-Fit



Swapping



Relocação Dinâmica

