# **TD 5 INFO0403**

On considère une mémoire de 32 unités d'allocation

Et les processus suivants :

A : 3uA

B : 8uA

C : 7uA

D : 5uA

E : 4uA

F : 7uA

G : 10uA

H : 4uA

Et les scénarios :

1) chargement de A

2) chargement de G

3) chargement de E

4) déchargement de A

5) chargement de F

6) chargement de H

7) déchargement de E

8) chargement de D

9) chargement de E

10) déchargement de F

11) chargement de B

12) déchargement de G

13) chargement de C

Donner l'état de la mémoire à chaque étapes avec les stratégies :

- FIRST FIT

- NEXT FIT

- BEST FIT

- WORST FIT

**FIRST FIT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| UA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1) | A | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2) | A | | | G | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3) | A | | | G | | | | | | | | | | E | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4) |  |  |  | G | | | | | | | | | | E | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5) |  |  |  | G | | | | | | | | | | E | | | | F | | | | | | |  |  |  |  |  |  |  |  |
| 6) |  |  |  | G | | | | | | | | | | E | | | | F | | | | | | | H | | | |  |  |  |  |
| 7) |  |  |  | G | | | | | | | | | |  |  |  |  | F | | | | | | | H | | | |  |  |  |  |
| 8) | G | | | | | | | | | | F | | | | | | | H | | | | D | | | | |  |  |  |  |  |  |
| 9) | G | | | | | | | | | | F | | | | | | | H | | | | D | | | | | E | | | |  |  |
| 10) | G | | | | | | | | | |  |  |  |  |  |  |  | H | | | | D | | | | | E | | | |  |  |
| 11) | G | | | | | | | | | | H | | | | D | | | | | E | | | | B | | | | | | | |  |
| 12) |  |  |  |  |  |  |  |  |  |  | H | | | | D | | | | | E | | | | B | | | | | | | |  |
| 13) | C | | | | | | |  |  |  | H | | | | D | | | | | E | | | | B | | | | | | | |  |

**NEXT FIT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| UA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1) | A | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2) | A | | | G | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3) | A | | | G | | | | | | | | | | E | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4) |  |  |  | G | | | | | | | | | | E | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5) |  |  |  | G | | | | | | | | | | E | | | | F | | | | | | |  |  |  |  |  |  |  |  |
| 6) |  |  |  | G | | | | | | | | | | E | | | | F | | | | | | | H | | | |  |  |  |  |
| 7) |  |  |  | G | | | | | | | | | |  |  |  |  | F | | | | | | | H | | | |  |  |  |  |
| 8) | G | | | | | | | | | | F | | | | | | | H | | | | D | | | | |  |  |  |  |  |  |
| 9) | G | | | | | | | | | | F | | | | | | | H | | | | D | | | | | E | | | |  |  |
| 10) | G | | | | | | | | | |  |  |  |  |  |  |  | H | | | | D | | | | | E | | | |  |  |
| 11) | G | | | | | | | | | | H | | | | D | | | | | E | | | | B | | | | | | | |  |
| 12) |  |  |  |  |  |  |  |  |  |  | H | | | | D | | | | | E | | | | B | | | | | | | |  |
| 13) | C | | | | | | |  |  |  | H | | | | D | | | | | E | | | | B | | | | | | | |  |

**BEST FIT** (bien tant qu'on charge)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A | | |
| 2) | G | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A | | |
| 3) | G | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E | | | | A | | |
| 4) | G | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E | | | |  |  |  |
| 5) | G | | | | | | | | | |  |  |  |  |  |  |  |  | F | | | | | | | E | | | |  |  |  |
| 6) | G | | | | | | | | | | H | | | |  |  |  |  | F | | | | | | | E | | | |  |  |  |
| 7) | G | | | | | | | | | | H | | | |  |  |  |  | F | | | | | | |  |  |  |  |  |  |  |
| 8) | G | | | | | | | | | | H | | | |  |  |  |  | F | | | | | | |  |  | D | | | | |
| 9) | G | | | | | | | | | | H | | | | E | | | | F | | | | | | |  |  | D | | | | |
| 10) | G | | | | | | | | | | H | | | | E | | | |  |  |  |  |  |  |  |  |  | D | | | | |
| 11) | G | | | | | | | | | | H | | | | E | | | |  | B | | | | | | | | D | | | | |
| 12) |  |  |  |  |  |  |  |  |  |  | H | | | | E | | | |  | B | | | | | | | | D | | | | |
| 13) |  |  |  | C | | | | | | | H | | | | E | | | |  | B | | | | | | | | D | | | | |

**WORST FIT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 1) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A | | |  |  | G | | | | | | | | | | |  |  |
| 3) |  |  |  |  |  | E | | | |  |  |  |  |  | A | | |  |  | G | | | | | | | | | | |  |  |
| 4) |  |  |  |  |  | E | | | |  |  |  |  |  |  |  |  |  |  | G | | | | | | | | | | |  |  |
| 5) |  |  |  |  |  | E | | | |  |  | F | | | | | | |  | G | | | | | | | | | | |  |  |
| 6) | H | | | |  | E | | | |  |  | F | | | | | | |  | G | | | | | | | | | | |  |  |
| 7) | H | | | |  |  |  |  |  |  |  | F | | | | | | |  | G | | | | | | | | | | |  |  |
| 8) | H | | | |  | D | | | | |  | F | | | | | | |  | G | | | | | | | | | | |  |  |
| 9) | H | | | | D | | | | | F | | | | | | | G | | | | | | | | | |  | E | | | |  |
| 10) | H | | | | D | | | | |  |  |  |  |  |  |  | G | | | | | | | | | |  | E | | | |  |
| 11) | H | | | | D | | | | | G | | | | | | | | | | E | | | | B | | | | | | | |  |
| 12) | H | | | | D | | | | |  |  |  |  |  |  |  |  |  |  | E | | | | B | | | | | | | |  |
| 13) | H | | | | D | | | | |  | C | | | | | | |  |  | E | | | | B | | | | | | | |  |